

REPORT DOCUMENTA	TION PAGE		TRUCTIONS
1. REPORT NUMBER	2. GOVT ACCESSION NO.		LOG NUMBER
4. TITLE (and Subtitle)		5. TYPE OF REPORT	A PERIOD COVERED
Summary of Meteorological Ob	servations, Surface	Reference repo	nt 1948-1977
(SMOS) Yuma, AZ		6. PERFORMING ORG.	
7. AUTHOR(s)		8. CONTRACT OR GRA	ANT NUMBER(*)
N/A			
P. PERFORMING ORGANIZATION NAME AND A	200556	10. PROGRAM ELEMEI	T PROJECT TASK
Naval Weather Service Detach		AREA & WORK UNI	T NUMBERS
	men v		
Federal Building Asheville, N.C. 28801			
1. CONTROLLING OFFICE NAME AND ADDRE		12. REPORT DATE	
Director, Naval Oceanography National Space Technology La		July 1978	
NSTL Station, MS 39529	DOT GEOT TES	358	
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		Unclassified	
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6. DISTRIBUTION STATEMENT (of this Report)		ACCESSION	for
Approved for public release;	distribution unlimit	ed. NTIS	White Section
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8. SUPPLEMENTARY NOTES			
		171	
S. KEY WORDS (Continue on reverse elde if nece Climatology, surface wind, t	emperature procinit:	tion ceiling	vicibility
relative humidity, station p	ressure, extreme tempe	ratures, sea le	vel pressure.
daily temperature, weather of	conditions, monthly cl	imatology, Nava	1 shore
facility, coastal region, sn	ow depth, cloud cover	, Yuma, AZ.	
O. ABSTRACT (Continue on reverse side if neces	seary and identify by block number)		
This data report consists of	a six part statistic	al summary of s	urface
weather observations. The s	ix parts are: Part A	- Weather Cond	litions/
Atmospheric Phenomena, Part	B - Precipitation/Sno	wfall/Snow Dept	h, Part C -
Surface Winds, Part D - Ceil Psychrometric Summaries, Par	ing versus Visibility	/Sky Cover, Par	t E -
rsychrolletric Summaries, Par	L F - Station Pressui	e/sea Level Pre	ssure.

S	TATION NO	1. ON SUMMARY	STATION NO ON SUMMARY STATION NAME		LATITUDE	rov	LONGITUDE	STATION ELEV. (FT.)	CALL SIGN	WWO NUMBER	ar.
	03145	5	Yuma, Arizona		32°	32°39'N	114°36'W	214	KNXL	72280	80
			STATION LOCATION AND INSTRUMENTATION HISTORY	Z	NON	STRUA	LENTA	TION HI	STORY		
120	NUMBER OF SARO		377 W # 770 + 150 C - 150 F F F F F F F F F F F F F F F F F F F	TYPE	AT THIS LOCATION	NOI	IATITUDE	Suiting	ELEVATION ABOVE MSL	DVE WSL	085
3	LOCATION		מנינים של איני ביינים איניים א	STATION	FROM	10		300	FEET	TYPE BAROWETER	DAY
	1.	30' from	30' from the south end of operations building	MCAS	1966		32°39'N	114°36'W	214	Aneroid	
T.	NUMBER	DATE	SURFACE WIND EQUIPMENT INFORMATION	PMENT INFORM	IATION						
3	LOCATION	OF CHANGE	LOCATION		TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDIT	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	R REASON FOR CHAN	GE
	1.	1964	400' E of runway 17 and 400'S runway 08	s of	AN-UMQ-5C	C RD-108C	11.		Barograph ML-3 Theodolite ML-78		
	2.	1965	Replacement		ML/400C/	=	15'	3. Weatherv 4. Pilot/FC	Weathervision (GMQ-19A (V)) Pilot/FCSTR Service	Q-19A (V) ce	
	3.	1976	900' south of runway 3R-21L and 500' south of taxiway C	and	);  -  -	AN/GMQ- 29A			weather radar AN/175-100(V) Wind recorder RD-108B/UNQ-5	108B/UMQ-	<b>-</b> 50
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NWSD, Federal Building Asheville, N. C.

# SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET 1tr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

- Ten years of data will be used as the standard period of record (POR).
- All available data will be used for extreme values.
- 3. Summarize (update) every five years.
- All available data through 1977 a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1 will be included for extreme values.
- b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982
- The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
- d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station. DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations are selected from all data recorded or reporting forms are selected from all data recorded or reporting forms are selected from all data recorded or vations (prepared from record-special, local, summary of the day, remarks, etc.).

or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".O". (This value indicates a percent less than ".O5," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect observation.) Since most stations summarized now have in excess of 10,000 s-nourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort COMMENT: All observations summarized in this tabulation have been computer edited for consistency and is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSD), Asheville, N. C. welcomes your comment and criticisms.

#### PART A

#### WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

- . By month and annual, all hours and years combined.
- By month and annual, all hours and years combined, by wind direction.
- 3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

il Occurrences of hail and small hail are included.

more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns. Percentage of observations with precipitation - Included in this category are the observations when one or

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

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may be reported in the same observation, the sums of the individual caregories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility. Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction

The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices. NOTE:

#### PART A

# ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

may occur in the same daily observation, the sum of the values in the individual columns may not equal the centage of observations. Since more than one type of precipitation or more than one type of obstruction The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than pertotal columns.

This presentation is by month with annual totals, and is prepared with all years combined.

A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later. NOTE:

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the "% Total" indicates percentage frequency (plus calm). Column totals show the number of observations. of occurrences.

NONTH

#### WEATHER CONDITIONS

YUMAR ARIZONA 23195 STATION

STATION NAME

73-77

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

0

0

									 _	 	_
TOTAL ND. OF OBS.	155	155	155	155	155	155	155	155			1240
% OF OBS WITH OBST TO VISION	1.3	1.3	1.3	1.3	9.	9.2	1.9				1.3
DUST AND/OR SAND	•			1.3	9.	9.2	1,9				6.
BLOWING											
SMOKE AND/OR HAZE											
F0G		1.3	1.3								*
% OF OBS WITH PRECIP.	0	1,9	•	•	1,3	9.	1,3	9.			6.
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	9	1.9	9	9	1.3	9	1.3	9			6.
THUNDER- STORMS											
HOURS (L.S.T.)	10	*0	07	9	13	16	19	22			
MONTH	NAL										TOTALS

0

YUMAS ARIZONA 23195 STATION

73-77

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	141	141	141	141	141	141	141	141			1128
% OF OBS WITH OBST TO VISION			1.	.,	2,1	1.4		.7			6.
AND/OR SAND				.,	2,1	1.4	۲.	.,			.,
BLOWING											
SMOKE AND/OR HAZE											
FOG		.,	7.								2.
% OF OBS WITH PRECIP.	8 2	2,1	2.1	2,1	1,5	8 2	2,8	1.6			2,3
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	2.8	2.1	2.1	2.1	2.1	2.8	2.8	1.4			2.3
THUNDER- STORMS		7.			7.						•2
HOURS (L.S.T.)	10	*0	07	10	13	16	19	22			
МОМТН	FEB										TOTALS

0

23195 STATION

YUMAS ARIZONA

73-77

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155			1240
% OF OBS WITH OBST TO VISION	9.			1.9	3.9	3.2	1.9	•			1.5
DUST AND/OR SAND	9.				2.6	3,2	1.9	9.			1.1
BLOWING											
SMOKE AND/OR HAZE				1,9	1,3						4.
FOG											
% OF OBS WITH PRECIP.	9.	1,3	1,3	9.	1,3	1,3	1.9	1.9			1,3
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	9	1.3	1.3	0	1.3	1,3	1.9	1.9			1.3
THUNDER- STORMS							9.				•
HOURS (L.S.T.)	10	*0	20	10	13	91	19	22			
MONTH	MAR										TOTALS

0

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#### 5701 WEATHER CONDITIONS JAN 8

WEATHER CONDITIONS

YUMAS ARIZONA 23195 STATION

15648-8605 115H

73-77

APR

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

				1					 		
TOTAL NO. OF OBS.	150	150	150	150	150	150	150	150			1200
% OF OBS WITH OBST TO VISION	1.			1.3		1.3	2.0				6.
DUST AND/OR SAND				.,	.,	1.3	2,0	۲.			8.
BLOWING											1.
SMOKE AND/OR HAZE											.2
50											
% OF OBS WITH PRECIP.	7.	1.3		1.	1.3	1.3	.,	۲.			6
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	7	1.3	6		1.3	1.3	7.	7			6.
THUNDER- STORMS											
HOURS (L.S.T.)	10	40	20	10	13	16	19	22			
МОМТН	APR										TOTALS

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YUMAA ARIZONA STATION NAME 23195 STATION

MAY

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155			1240
% OF OBS WITH OBST TO VISION	1,3		9.	1.9	1.9	1,3	1,3	9.			1:1
DUST AND/OR SAND	1.3		9.	1.9	1.9	1.3	1.3	4.			1.1
BLOWING								36-		-	
SMOKE AND/OR HAZE											
FOG											
% OF OBS WITH PRECIP.		9	9	9.		9.					
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE		9	0	9		9					•
THUNDER- STORMS											
HOURS (L.S.T.)	10	40	07	10	13	16	19	22			
MONTH	MAY										TOTALS

TOTAL NO. OF OBS.	150	190	150	150	190	150	150	190			1200
% OF OBS WITH OBST TO VISION	6		-				2.0	1,3			8.
DUST AND/OR SAND		.,					2.0	1,3			8.
BLOWING											
SMOKE AND/OR HAZE											
FOG											
% OF OBS WITH PRECIP.											
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE									1		
RAIN AND/OR DRIZZLE											
THUNDER. STORMS											
HOURS (L.S.T.)	10	*0	07	9	=	9	19	22			
МОМТИ	NOT										TOTALS

73-77

100

TOTAL NO. OF OBS.	155	155	155	155	195	155	195	155	1		1240
% OF OBS WITH OBST TO VISION	9.		9.				1.9	•			6.
DUST AND/OR SAND	9.						1.0	•			*
BLOWING											
SMOKE AND/OR HAZE			9.								•
POG								÷			
% OF OBS WITH PRECIP.	9.	1,3	9.	9.	1,3		9.	1.3			20
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZIE	9.	1.3	ç	9	1.3		9	1.3			Œ
THUNDER. STORMS					9.		9				
HOURS (L.S.T.)	10	*0	20	92	13	9	61	22			
MONTH	101										TOTALS

YUMAS ARIZONA 23195 STATION

73-77

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DBSERVATIONS

085. OF	155	155	155	155	155	155	155	155		1240
WITH OBST TO VISION		•	9.	9.		•	9.	•		
AND/OR SAND		•	9.	•		9.	9.	9.		
BLOWING										
SMOKE AND/OR HAZE										
50										
% OF OBS WITH PRECIP.	9.	9.	9		9.	1,3	1.9	9.		8.
HAIL										
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	9	9	9		0	1.3	1.9	9		8
THUNDER- STORMS		9.				9.	9.	9		
HOURS (L.S.T.)	10	90	20	10	13	9	19	22		
MONTH	AUG									TOTALS

1

0

YUMAL ARIZONA 23195 STATION

73-77

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

									 	 _	11
TOTAL NO. OF OBS.	150	150	150	150	150	150	150	150			1200
% OF OBS WITH OBST TO VISION			1.3	1.3	1,3	1.3	1.3				
AND/OR SAND					.,	1,3	1.3				.5
BLOWING											
SMOKE AND/OR HAZE			1,3	.,	.,						.3
FOG											
% OF OBS WITH PRECIP.	1,3	1.3	7.	.,	.,	.,	2.0	1,3			1.1
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	1.3	1.3			•		2.0	1.3			1,1
THUNDER- STORMS	7.					2.0	1.3	1.3			.7
HOURS (L.S.T.)	10	*0	07	10	13	16	19	22			
MONTH	SEP										TOTALS

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YUMAS ARIZONA 23195 STATION

73-77

DCT HONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155			1240
% OF OBS WITH OBST TO VISION	1,3		9.	1.3	1.3	1.9	1.3	2.6			1,1 1,3
DUST AND/OR SAND	1,3		9.	9.	1,3	1.3	1.3	2.6			1,1
BLOWING											
SMOKE AND/OR HAZE				9.							
FOG						•					-:
% OF OBS WITH PRECIP.	9		9.	1,3	1,3	2.6	9.				6.
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	9		9	1.3	1,3	2.6	9				6.
THUNDER- STORMS						•					.1
HOURS (L.S.T.)	10	90	07	10	13	16	19	22			
МОМТН	120										TOTALS

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YUMAS ARIZONA

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	150	150	150	150	150	150	150	150			1200
% OF OBS WITH OBST TO VISION			1.3		۲.						9.
DUST AND/OR SAND				.,	7.		.,				**
BLOWING											
SMOKE AND/OR HAZE											
F0G		.,	1,3								.3
% OF OBS WITH PRECIP.	7.	۲.	.,			1,3	.,	.,			9.
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE						1.3	.,	.7			9.
THUNDER- STORMS											
HOURS (L.S.T.)	10	*0	20	10	13	16	10	22			
МОМТН	VON										TOTALS

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E.

YUMA, ARIZONA 23195 STATION

73-77

DEC

							and the same			-	
TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155			1240
% OF OBS WITH OBST TO VISION	2.6	3,2	3.2	3,2	1.9	1.3	1,3	1.9			2,3
DUST AND/OR SAND				1,3	9.						2.
BLOWING											
SMOKE AND/OR HAZE											
Pog	2.6	3.2	3,2	1,9	1,3	1,3	1,3	1.9			4.1
% OF OBS WITH PRECIP.	9.	9.	9.	1,9	2.6	9.5	1,3	1,3			1.4
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	ģ	9.	9	1.9	2.6	2.6	1.3	1.3			1.4
THUNDER- STORMS											
HOURS (L.S.T.)	6	90	07	10	13	16	19	22			
МОМТН	DEC										TOTALS

YUMAS ARIZONA

73-77

YEARS

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	1.0 14608
% OF OBS WITH OBST TO VISION	1,3	6.	1.5	6.	1.1	œ			ω.	1,3	•	2,3	1.0
DUST AND/OR SAND	6.	۲.	1.1	8.	1.1	8.	4.		6.	1,1	*	.2	.,
BLOWING				1.									0.
SMOKE AND/OR HAZE			4.	2.			•		6				.1
FOG	4.	2.									6	2.1	.3
% OF OBS WITH PRECIP.	6	2,3	1,3	6.	6.		8	80	1.1	٥.	9.	1.4	6.
HAIL													
SNOW AND/OR SLEET													
FREEZING RAIN &/OR DRIZZLE													
RAIN AND/OR DRIZZLE	6	2,3	1,3	0	6		80	80	1.1	6	•	1.4	6
THUNDER- STORMS		-2	-				2.	69	.7	1.			-:
HOURS (L.S.T.)	ALL												
MONTH	IAN	(D)	AAR	APR	MAY	NO	101	AUG	SEP	100	NO.	DEC	TOTALS

O. 10

Q

E

#### WEATHER CONDITIONS ATMOSPHERIC PHENDHENA

YUMA, ARIZONA 23195 STATION

11-64

ALL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	1	12.9				12.9	2.8	9.			3.1	899
FE8		6.	10.7			1.	10.7	1.2	4.		6.	2,3	819
MAR		9.	0 6			1.	0.6		9.		1.2	1.8	899
APR		8	6.2			1.	2.0	1.	.,		1.4	2.1	870
MAY		9.	2.7			1.	2.7		9.			1.3	899
NOT		1.0	2.5				2,5		.3		•	5.	869
100		5.5	13.1				13,1	1.	.,		1.7	5.4	899
AUG		6.9	12.2				12,2	1.			2.6	3.2	899
SEP		4.7	7.9				7.9	1.	6.		1.1	2.2	870
130		2,3	8.2			1.	8,2	.,	2.		*.	1.3	868
NON		9.	8 8			.2	8	1.0	.5		1.0	2.2	867
DEC		9.	11.9		6,	1.	11.9	3.8	4.			6.4	899
TOTALS		2.0	8.8		0.	.1	8.8	. 8	,5		1.0	2,3	10588

2.66

WEATHER

SAND AND DUST

BLOWING

HAIL SMALL HAIL

SNOW GRAINS PELLETS SHOWERS

SLEET
" SHOWERS
ICE
CRYSTALS

FREEZING RAIN FREEZING DRIZZLE

DRIZZLE

RAIN

RAIN

WIND

0

0

NNE

0

z

Ä

1.8

3.5

ENE

W

0

ESE

SE

2.0

SSE

SSW SW

. 0

8

5.4

WSW

1.4

N N NNN

0

VARIABLE

0

CALM

TOTAL %

0

0

0

0

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

YUMA, ARIZONA 23195 STATION

0 0

JAN 73 -06C 77

JANUARY

ALL

HOURS (L.S.T.)

SMOKE GROUND FOG 20 5.3 FOG THUNDER

10001 10001 10001 10001 10001

2.0

100.0

1001

===

3.6

1,240

1212

る

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

0

JAN 73 -DEC 77 YUMA, ARIZONA

FEBRUARY

ALL HOURS (L.S.T.)

NO	94.46	0.66	100.0	95.1	100.0	100.0	83.8	95.3	96.4	100.0	97.0	100.0	61.6	95.7	95.5	95.5		6.00 E	1092	96.8
BLOWING SAND AND DUST	6.												1.0		5.1	5.1		$\bigvee$	5	4.
BLOWING																		$\bigvee$		
SMOKE																		$\bigvee$		
ICE FOG GROUND FOG	. 5																	$\bigvee$	1	1.
106	. 5																	$\bigvee$	1	. 1
THUNDER							2.7				2.4							$\bigvee$	N	.2
HAIL SMALL HAIL																		$\bigvee$		
SNOW "GRAINS "PELLETS "SHOWERS																		$\bigvee$		
SLEET " SHOWERS ICE CRYSTALS																		$\bigvee$		
FREEZING RAIN FREEZING DRIZZLE																		$\bigvee$		
DRIZZLE																		$\setminus$		
RAIN				2.4			10.8						1.0		1.5			$\bigvee$	10	.9
RAIN	4.2	1.0		2.4			5.4	2.3						2.1		1.5		$\bigvee$	16	1.4
WIND	z	N Z Z	NR	ENE	3	ESE	SE	SSE	S	MSS	AS.	MSM	×	MNM	MN	MNN	VARIABLE	CALM	TOTAL	% TOTAL

0

0

0

0

0

0

0

0

TOTAL NUMBER OF OBSERVATIONS

1,128

0

0

2

ALL	HOURS (L.S.T.
MARCH	HTNOM
JAN 73 -DEC 77	YEARS
YUMA, ARIZONA	STATION NAME
23195	STATION

NO	100.0	96.2	100.0	100.0	61.3	100.0	100.0	98.5	1066	97.9	97.5	98.8	94.7	91.2	92.8	100.0		200	1205	97.2
BLOWING SAND AND DUST												1.2	2.9	3.3	6.4			X	13	1.0
BLOWING																		$\bigvee$		
SMOKE		1.9							6.				1.0					$\bigvee$	4	
ICE FOG GROUND FOG					1													$\bigvee$		
500																		$\bigvee$		
THUNDER										2,1								$\bigvee$		7.
HAIL SMALL HAIL																		$\bigvee$		
SNOW GRAINS PELLETS SHOWERS																		$\bigvee$		
SLEET "SHOWERS ICE CRYSTALS																		$\bigvee$		
FREEZING RAIN FREEZING DRIZZLE																		$\bigvee$		
DRIZZLE																		$\bigvee$		
RAIN					12.5						1.3		1.0	2.2	2.9			$\bigvee$	0	•
RAIN		1.9			6.3			1.5		2.1			6.5	2.2				X	7	9.
WIND	z	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	WN	MNN	VARIABLE	CALM	TOTAL	% TOTAL

0

0 0 0

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

0 0 0 0 0 0

TSOP

RAIN	RAIN	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELETS SHOWERS	HAIL	THUNDER	F0G	GROUND FOG	SMOKE	BLOWING	BLOWING SAND AND DUST	NOWEATHER
0													1.66
+													100.0
2.9													97.1
-	11.1												88.9
5.0													94.1
	0.1												6.06
5.5													97.5
													100.0
													100.0
	1.8												98.2
													100.0
													0.66
	. 5									6.		1.9	96.8
	1.3										1.3	3.9	93.4
													100.0
	3.3												96.7
M	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	の数点
*	•									~	-	7	1178
. 3	4.									.2	. 1	9.	98.2

0 0 0 0 0 0 0 0 0

NAVWEASERVCOM

1,0

0

0

1,200

TOTAL NUMBER OF OBSERVATIONS

ALL MAY JAN 73 -0EC 77 23195 STATION

NO	97.3	100.0	100.0	100.0	100.0	100.0	100.0	66.3	100.0	98.8	100.0	100.0	24.7	95.2	95.1	100.0		0.7 A	1222	98.5
BLOWING SAND AND DUST	2.7							.7					5.9	1.2				X	8	9.
BLOWING																		$\bigvee$		
SMOKE																		$\bigvee$		
CE FOG GROUND FOG																		$\bigvee$		
F06																		$\bigvee$		
THUNDER																		$\bigvee$		
HAIL SMALL HAIL																		$\bigvee$		
SNOW GRAINS PELLETS																		X		
SLEET " SHOWERS ICE CRYSTALS																		$\bigvee$		
FREEZING RAIN FREEZING DRIZZLE																		$\bigvee$		
DRIZZLE																		$\bigvee$		
RAIN													1.8		2.4			$\bigvee$	7	
RAIN																		X		
WIND	z	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	*	WNW	MN	NNN	VARIABLE	CALM	TOTAL	% TOTAL

0 0 0 0 0 0 0 0 0 0

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

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0

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0 0

0 0

0 0 0

NO	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.2	95.8	98.1	97.1	100.0		02.00	1191	66.3
BLOWING SAND AND DUST									•				4.2		2.9			M	2	9.
BLOWING																		$\bigvee$		
SMOKE																		$\bigvee$		
GROUND FOG																		$\bigvee$		
505																		$\mathbb{N}$		
THUNDER										A								$\bigvee$		
HAIL SMALL HAIL																		$\bigvee$		
SNOW "GRAINS "PELETS "SHOWERS																		$\bigvee$		
SLEET " SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE	970															0.0000		$\bigvee$		
ORIZZLE																		$\bigvee$	y	
RAIN																1		$\bigvee$		
M																		$\bigvee$		
WIND	z	NNE	NE NE	ENB	3	ESE	SE	SSE	S	SSW	SW	WSW		WNW	MN	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF JBSERVATIONS

1,200

NAVWEASERVCOM

0

STE % FREQ. WIND DIR. VS WENTER JAN 68

0 0 0

### PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

NO	100.0	100.0	85.7	100.0	96.2	97.3	100.0	98.7	100.0	95.9	0.66	100.0	100.0	95.2	92.9	100.0		24	1225	98.8
SAND SAND AND DUST			4.8		3.8			7.										$\bigvee$	60	~
BLOWING							1											X		
SMOKE										1.4								$\bigvee$	1	1.
GROUND FOG																		$\bigvee$		
500																		$\bigvee$		
THUNDER						2.7									7.1			X	~	. 2
HAIL SMALL HAIL																		X		
SNOW GRAINS PELLETS SHOWERS																		X		
SLEET SHOWERS ICE CRYSTALS																		$\bigvee$		
FREEZING RAIN FREEZING DRIZZLE																		$\bigvee$		
DRIZZLE																		$\bigvee$		
RAIN			9.8			2.7		•		1.6				4.8	7.1			7	8	•
RAIN					3.6			*.										X	2	0
WIND	z	NNE	NE	ENE	3	ESE	SE	SSE	s	SSW	SW	WSW	×	MNM	NW	NNN	VARIABLE	CALM	TOTAL	% TOTAL

0 0 0 0

0

0

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TOTAL NUMBER OF OBSERVATIONS

1,240

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NAVWEASERVCOM

ALL HOURS (L.S.T.) AUGUST JAN 73 -DEC 77 YUMAS ARIZONA STATION NAME

0 0 0 0

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NO WEATHER	94.6	100.0	100.0	92.9	95.0	95.8	98.0	98.3	99.2	98.8	100.0	91.4	100.0	97.3	100.0	100.0		0/4	1223	98.6
SAND SAND AND DUST	5	10	10	7.1 9	5	5	5	3	5	5	10	6.	10	•	7	7		Ž	2	.2
SAR SAR DU																		$\Lambda$		
BLOWING																		$\bigvee$		
SMOKE																		$\mathbb{N}$		
ICE FOG GROUND FOG																		X		
904																		$\bigvee$		
THUNDER	2.7					4.2		9.		1.2								X	4	.3
HAIL SMALL HAIL																		X		
SNOW GRAINS PELLETS SHOWERS																		$\bigvee$		
SLEET  SHOWERS  ICE  CRYSTALS																		X		
FREEZING RAIN FREEZING DRIZZLE																		$\bigvee$		
DRIZZLE																		$\bigvee$		
RAIN	2.7				5.0	6.9	1.0	9.		1.2		6.		2.7				X	**	9.
RAIN				7.1								6.						X	,	. 2
WIND	z	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	WN	NNN	VARIABLE	CALM	TOTAL	7 TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

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	SEPTEMBER
VS. WEATHER CONDITIONS	JAN 73 -DEC 77
	3195 YLMA, ARIZONA
	11.95

NO	95.7	96.7	96.7	88.9	91.6	100.0	96.8	100.0	4.16	97.7	98.9	100.0	6.96	100.0	6.96	6006		<b>5</b>	1172	97.7
BLOWING SAND AND DUST				2.8			1.1		1.6									X	•	4.
BLOWING																		X		
SMOKE	1.1												1.0		3.1	9.1		X	•	.3
GROUND FOG																		$\bigvee$		
506																		$\bigvee$		
THUNDER	2.1		1.7	2.8	3.4		1.1			2.3			1.0					X	-	.7
HAIL SMALL HAIL																		X		
SNOW GRAINS PELLETS SHOWERS																		X		
SLEET " SHOWERS ICE CRYSTALS																		X		
FREEZING RAIN FREEZING DRIZZLE																		$\bigvee$		
DRIZZLE																		X		
RAIN		1.6	3.3	2.8	2.4		2.1		1.1		1.1							X		60
RAIN	1.1			2.8									1.0					X	ís	3
WIND	z	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	*	WNW	MN	NNN	VARIABLE	CALM	10101	% TOTAL

NAVWEASERVCOM

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1,200

TOTAL NUMBER OF OBSERVATIONS

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WIND	RAIN	RAIN	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	904	ICE FOG GROUND FOG	SMOKE	BLOWING	BLOWING SAND AND DUST	NO
z		1						2					1.	97.3
NNE			-											100.0
NE		1.3												8.86
ENE	2.1	2.1	2.1											98.6
B														100.0
ESE	4.8													95.2
SE														100.0
SSE														100.0
S		1.0												0.66
SSW														100.0
SW														100.0
WSW		1.5											1.5	97.0
×		. 8									8.		4.8	92.0
WNW													1.9	94.2
NN														100.0
NNN	2.1								2.1					97.9
VARIABLE														
CALM	M	M	M	$\bigvee$	$\bigvee$	M	$\bigvee$	$\bigvee$	$\bigvee$	M	M	$\bigvee$	$\bigvee$	02.00
TOTAL		•	~					-					10	1214
% TOTAL		•									1.			97.9

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0

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

NOVEMBER JAN 73 -DEC 77 YUMA, ARIZONA STATION NAME

NO	99.1	100.0	98.5	100.0	100.0	100.0	95.0	100.0	96.1	100.0	100.0	100.0	97.9	94.5	100.0	98.8		TO A	1186	98.8
SAND SAND AND DUST													1.0	1.8				X	-	
BLOWING																		X		
SMOKE																		$\bigvee$		
GROUND FOG																		X		
505							9.0		2.0									$\bigvee$	2	. 2
THUNDER																		X		
HAIL SMALL HAIL																		X		
SNOW GRAINS PELLETS SHOWERS																		X		
SLEET " SHOWERS ICE CRYSTALS																		V \		
FREEZING RAIN FREEZING DRIZZLE																		$\bigvee$		
DRIZZLE																		X		
RAIN	9.		1.5						2.0				1.0	3.6				X	•	4.
RAIN																		X		
WIND	z	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	*	WNW	MN	NNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

0

0

0

0.

1,200

NAVWEASERVCOM

0 0

TSOP

DECEMBER JAN 73 -DEC 77

WEATHER	96.8	97.8	98.9	91.4	100.0	81.8	92.3	95.0	96.1	92.3	0.06	100.0	92.5	97.7	98.7	100.0		· ·	1198	90.96
BLOWING SAND AND DUST	.,																	M	19	.2
BLOWING																		$\bigvee$		
SMOKE																		$\bigvee$		
GROUND FOG		.,																$\bigvee$	-	-
F0G	2.0	.7	1.1	2.9		9.1	3.8		2.0	7.7	10.0		5.0	2.3	1.3			X	5	2.0
THUNDER																		M		
HAIL SMALL HAIL																		M		
SNOW GRAINS PELLETS SHOWERS																		M		
SLEET  SHOWERS  CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		M		
DRIZZLE	- 2																	M	•	-
RAIN				2.9			3.8	5.0	2.0									M	4	. 3
Z Z		. 7		5.7		9.1							5.0	2.3	1.3			7		1.0
WIND	z	NNE	NE	ENE	E	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	MN	NNW	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

0 0 0 0 0 0 0

1,240

NAVWEASERVCOM

YUMA, ARIZONA	JAN 73 -DEC 77	ALL	ALL
STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

NO	97.8	98.8	4.86	94.2	97.4	97.2	98.0	98.8	1.66	4.86	99.2	98.0	1.96	6.46	97.3	98.7		7	14318	0.86
BLOWING SAND AND DUST			2.	9.	.3		-	. 3	.2			6	2.2	1.7	0.	.2		X	7.	.5
BLOWING														.2				$\bigvee$	-	0.
SMOKE	0.								1.	.2			4.		. 2	.2		$\bigvee$	12	-:
ICE FOG GROUND FOG	0.	-																X	-	0.
F0G	87	. 3	.2	1.2			. 3			.2	.2		. 1	. 2	.2	. 2		X	3.6	. 2
THUNDER	.2		.2	6		5.	.3	7.		2.	7.				2.			$\bigvee$	18	1.
HAIL SMALL HAIL																		$\bigvee$		
SNOW GRAINS PELLETS SHOWERS																		$\bigvee$		
SLEET " SHOWERS ICE CRYSTALS								4000										$\bigvee$		
FREEZING RAIN FREEZING DRIZZLE																		$\bigvee$		
DRIZZLE	.1																	$\bigvee$	3	0.
RAIN	. 3	-	1.0	2.0	1.3	1.6	1.1	4.	•		.2	4.	.,	1.1	1.0	.2		X	80	. 5
RAIN	9.	4.	. 3	2.3	1.3	6.	4.	4.	.1	.2			. 3	9.	. 3	4.		X	57	4.
WIND	z	NNE	AN M	ENE	E E	ESE	SE	SSE	s	SSW	SW	WSW	*	MNM	N.	MNN	VARIABLE	CALM	TOTAL	% TOTAL

0000000000000

TOTAL NUMBER OF OBSERVATIONS

14,608

NAVWEASERVCOM

0 0

TSOE:

#### PART B

# PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

#### PRECIPITATION

#### SNOWFALL\*

SNOW DEPTH

#### DERIVED FROM DAILY OBSERVATIONS

#### DERIVED FROM DAILY OBSERVATIONS

#### DERIVED FROM DAILY OBSERVATIONS

- The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual may be misleading. and annually.
- The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing. ö

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated The periods and hours used in the snow depth summary vary by service and period as follows: stations.

Air Force Stations	From beginning of record thru 1945 Jan 46-May 57 Jun 57-present	Snow depth at 0800 LST Snow depth at 1230 GCT Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52 Jul 52-May 57 Jun 57-present	Snow depth at 0030 GCT Snow depth at 1230 GCT Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

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#### DAILY AMOUNTS

PERSENTAGE FREGUENCY OF

YUMA, ARIZONA

48-77

						AMC	AMOUNTS (INCHES)	(CHES)						FUSCASA		NOW	STALLOWA VIHTAOM	STALL
PRECIP.	NON	TRACE	6.	.0205	0190.	.1125	26.50	.51.1.00	1.01.2.50	2.51.5.00	2.51-5.00 5.01-10.00 10.01-20.00 OVER 20.00 OF DAYS	10.01.20.00	OVER 20.00	OF DAYS	NO.		(INCHES)	
SNOWFALL	NON	TRACE	0.1-0.4	0.5-1.4	1.5.2.4	2.5.3.4	3.5.4.4	4.5.6.4	6.5.10.4	10.5.15.4	15.5.25.4	25.5.50.4	OVER 30.4	MEASUR-	5 o			
SNOW.	NONE	TRACE	-	2		4.6	7.12	13.24	25.36	37.48	49.60	91.120	OVER 120	AMTS		ž į	GREATEST	IEAST
JAN	87.1	6.2	6.	2.0		1.6	1.0	.3	:					6.7	668	.36	2.83	.00
2	89.3	5.6	•	1.8	•	1.1	•	.2	••					5.1	819	.22	1.82	.00
MAR	91.0	3.9	•	1.8		1.6	.2							5.1	899	.16	.95	.00
NA.	93.8	3.6		.2	1.0	.2	.2		1.					2.6	870	.13	1.20	.00
MAY	97.3	1.8	:	4.	•		.2							••	899	.03	.37	.00
ž	97.5	2.0	:			•1								•	870	10.	.27	.00
) j	86.9	0.0	.7	1.7	9.	:	*	.2	1.					4.1	668	.17		1.07TRACE
AUG	87.8	6.7	.7	1.6	1:1	6.	•	9.	.2					5.6	899	.37	2.96	.00
SEP	92.1	4.5	•	1.3	•	. 2								3.4	870	.27	2.47	.00
100	91.7	4.1	.3	1.6		•	•	.2	.2					4.2	930	.33	2.68	.00
NOV	91.5	4:4		1.6	•		~	~	••					4.1	870	.19	1.06	.00
DEC	1.78	4.9	1.1	1.9	1.3	1.6	1:1							7.3	930	.33	1.67	.00
ANNUAL	1.16	4.7	•	1.3			·.	.2	7					4.1	10654	2.57	X	X

NAVWEASERVCOM

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## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF (FROM DAILY OBSERVATIONS)

> YUMA, ARIZONA 23195 STATION

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STATION NAME

48-77

SNOWFALL SNOWFALL						AMC	AMOUNTS (INCHES)	ACHES)						PERCENT		NOW	STAUCHT AMOUNTS	UNTS
SNOWFALL	NON	TACE	5	.02.05	0190	.11.25	26.50	.51.1.00	1.01.2.50	2.51.5.00	2.51-5.00 5.01-10.00 10.01-20.00 OVER 20.00 OF DAYS	10.01-20.00	OVER 20.00	OF DAYS	NO.		(INCHES)	
SNOW	NON	TRACE	0.1.0.4	0.5.1.4	1.5.2.4	2.5.3.4	3.5.4.4	4.5.6.4	6.5.10.4	10.5-15.4	15.5.25.4	25.5-50.4	25.5-50.4 OVER 50.4	MEASUR-	9 o	3		1
DEPTH	NON	TRACE	-	2	•	9,	7.12	13.24	25.36	37.48	49.60	61-120	OVER 120	AMTS			CHENIES	3
NY C	100.0														899	0.	0.	0.
	100.0														819	•	•	.0
MAR 3	100.0								7.						899	•	0.	.0
APR D	100.0														870	0.	0.	.0
MAY 3	100.0														866	0.	0.	.0
- N	100.0														870	0.	0.	0.
107	100.0														899	0.	•	0.
T DUA	100.0														899	0.	0.	0.
Se 1	100.0														870	0.	•	0.
000	100.0														930	0.	0.	0.
NON	6.66	-													870	FRACE	BTOTRACETRACE	.0
Dig C	1.66														930	TRACE	PROTRACETRACE	0.
ANNUAL 100.0	0.00	0.													10654	0.	X	X

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DAILY AMOUNTS PERCENTAGE EREQUENCY OF IFROM DAILY OBSERVATIONS

> YUMAS ARIZONA 23195 STATION

48-77

						AA	AMOUNTS (INCHES)	4CHES)						1710		TNOW	MONTHLY AMOUNTS	STAU
PRECIP.	NON	TRACE	6	.0205	0100.	.1125	.2650	.51.1.00	1.01-2.50	2.51-5.00	9.01.10.00	2.51-5.00 5.01-10.00 10.01-20.00 OVER 20.00 OF DAYS	OVER 20.00	OF DAYS	NO.		(INCHES)	
SNOWFALL	NON	TRACE	0.1.0.4	0.5-1.4	1.5.2.4	2.5.3.4	3.5.4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5.25.4	25.5-50.4	25.5.50.4 OVER 50.4	MEASUR-	9 0	74	200.00	
SNOW.	NON	TRACE	-	2	9	4.6	7.12	13.24	25.36	37.48	49.60	61-120	OVER 120	AMTS			ORENIES	
JAN	100.0														868			
2	100.0														618			
MAR	100.0														880			
APR	100.0														870			
MAY	100.0														899			
NOT	100.0								.) .	,					870			
ınr	100.0														889			
AUG	100.0														668			
SEP	100.0														870			
OCT	100.0														930			
NON	100.0														870			
DEC	100.0														026			
ANNUAL	ANNUAL 100.0														10623		X	X

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FROM DALLY OBSERVATIONS

YUMAS ARIZONA STATION NAME

24 HOUR AMOUNTS IN INCHES

ALL		1.58		.68		.18				1.04	1.23	.41		.85		2.42		1.07		1.49		*8*	-:	1.27	7	.62		.26				149.	10654
DEC.		.19	TRACE	90.		TRACE		TRACE		.03		.41			.24	00.	60.		.02	.28	*0.	. 30	10.	.10	.03	00.		.22		.35	.18	.221	930
NOV	0	A	TRACE	.00	. 32	TRACE	.02		0	TRACE			TRACE	.07	0	.0			AC	200	4	0	.02	00.	.14	.0.	00.	.03	.37	TRACE		.296	870
OCT.	. 88			.27	00.	TRACE		TRACE	TRACE	1.64	69.	.03	TRACE	TRACE	.05	.70	.13	00.	.03	00.	TRACE	10.	.02	TRACE		00.	60.	00.	.35	.24	.25	. 504	930
SEP.		RACE	3	A	RACE	0	RACE	0	RACE	•	RACE	•	.39	00.	da i	2942	a:	00.	:05	1 . 49	000	120	10:	1:27	001	00.	901	60.	• 17	. 41	154		
AUG.		RAC			000			.67	00.	.47	•0•	.10	10.	.16	TRACE		55.	.02	.00	.23	~	TRACE	~	. 52		.25	AC	TRACE	0	2.05	•	4	
JUL.		.13	.36	. 52	20.	TRACE		.31		TRACE	1.06		TRACE	0		0		.03		10	. 34		TRACE	RA		TRACE		.10			.14		
, N		00		00	V	TRACE	AC			00.					RAC		00.	0	RAC	U	0	00.	00.	00.	. 23	00.		00.		.02	.01	240.	
MAY		. 32	C	TRACE		00.	TRACE		00.	00.		.03	.01	TRACE	TRACE	00.	TRACE	.37	00.	TRACE	00.	.05	0	TRACE	4.3	00.	TRACE	00.	60.	.02	.03	0	0
APR.		AC	U	.29	.25	TRACE	00.	00.	TRACE	•10	.01	.01	TRACE	00.	00.	TRACE	.78	1.07		AC	TRACE	.08	TRACE	• 10	U	AC	00.	.26	.23	TRACE	.11	.247	
MAR.			TRACE	4		. 18		00.	00.	.27	-	TRACE	0		-	.10	TRACE	.02	.03		.26	.02	. 58	00.		.62	.12	.12	• 02	.04	.11	.160	899
£		.02	-	TRACE				.01				7	0	TRACE	+0.	.13	.11	.38	.14	00.	.27	.03	. 56	.03	00.	.28	00.	.01	.63		.16	.263	~
JAN.		1.58	*0.	N	.15	.01		. 39	.03	.30	TRACE	.02	4	. 18		. 50	U			.25	TRACE		TRACE	+0.	0		2	TRACE		102	.22		
YEAR	64	64	30	31	52	53	54	35	96	57	58	66	09	61	62	63	70	65	99	67	99	69	10	7.1	72	73	74	75	76	77	MEAN	S. D.	TOTAL OBS.

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NAVWEASERVCOM

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**EXTREME VALUES** 

PRECIPITATION

YUMAA ARIZONA STATION NAME

/BASED ON LESS THAN FULL MONTHS!

YEAR YEAR	JAN.	FB.	MAR.	APR.	MAY	JUN	JUL.	AUG.	SEP.	OCT.	NOV	DEC.	ALL
84									IRACE 19				PRECIP
55											TRACE 29		PRECIP
MEAN													
S. D.													
TOTAL OBS.													

0.0.0

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SNOWFALL (FROM DAILY OBSERVATIONS)

24 HOUR AMOUNTS IN INCHES

YEAR	JAN.	Ę	MAR.	APR.	MAY	ž.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	MONTHS
84										0.	0	0.	
49	0.	•	0.	.0	•	•	•	٥.	0	0.	0.	0	• 0
90	0.	•	•	0.	•	0.	•	0.	0.	0.		9.	0.
91	•	•	0	•	•	•	°.	٥.	•	•		•	0.
25	0	•	•	•	•	•	•	0.	•	•	0.	9.	0.
93	•	•	0.	0.	0	•	•	0.	0.	•		•	••
35	0	•	0	0.	0	•	•	0.	•	0.		?	0.
2	•	•	•	•	•	•	•	°.	•	•		0.	
96	•	•	•	0.	•	•	•	0.	0.	0.	•	0.	0.
3	•	•	•	•	•	•	•	0.	•	0.	•	••	0.
58	•	0.	•	0.	9.	0.	•	•	•	•	•	%	0.
50	•	•	0.	0.	•	0.	•	°.	•	0.	9	0.	0.
9	•	•	0.	0.	0	0	0.	0.	°.	0.	•	0.	0.
3	•	•	•	•	•	0.	•	°.	•	•	0.	0.	••
95	•	•	•	0.	0.	0	•	0.	•	0.	•	0.	••
63	•	•	•	•	•	•	•	0.	0.	•	TRAC	0.	TRACE
10	•	0.	?	•	•	•	•	0.	•	0.		0.	0.
69	•	•	•	•	•	•	•	•	0.	•		o.	0.
90	•	0.	0.	0.	0	•	•	0.	0.	0.		0.	0.
5	•	•	•	•	•	•	•	°.	°.	•		TRACE	TRACE
89	0.	•	•	•	•	0.	0.	0.	0.	0.		0.	0.
69	•	•	••	•	•	0.	•	•	•	•		0.	.0
10	•	0.	0.	•	•	0.	•	0.	•	0.		0.	0.
71	0.	•	•	•	•	•	•	0.	0.	••		0.	•0
72	0.	•	0.	0.	•	•	•	0.	•	0.		0.	••
73	•	•	•	•	•	•	•	•	•	•		•	•0
7.4	•	0.	•	0.	•	0.	0.	0.	•	0.		0.	0.
75	••	0.	•	•	•	•	•	0.	•	0.		0.	•0
16	•	•	•	•	•	•	•	0.	0.	0.	0.	0.	0.
77	0	0.	0.	0	0	•	0	0.	•	0.		0.	.0
MEAN	00.	00.	00.	00.	000	00.	00.	00.	100	00.	TRACE	TRACE	.00
S. D.	• 000	.000	.000	.000	000.	000.	0000	000.	000.	.000	.000	.000	.000
TOTAL OBS.	668	819	668	870	668	870	899	868	010	930	870	930	10654

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SNOWFALL FROM DAILY OSSERVATIONS

/BASED ON LESS THAN FULL MONTHS!

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SNOW DEPTH

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## DAILY SNUW DEPTH IN INCHES

YEAR	JAN.		MAR.	APR.	MAY	JON.	JUL.	AUG.	SEP.		NO.	DEC.	MONTHS
99										0	0	0	
64	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	ō	0	0	0	0	0	0	0	0	0	0	0
52	0	ō	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0		0	
36		0	0	0	0	0	0	0	0	0	0	0	
57	0	0	0	0	0	0	0	0	0	0	0	0	•
58	0	0	0	0	0	0	0	0	0	0	0	0	0
99	0	0	0	0	0	0	0	0	0	0	0	0	0
09	0	0	0	0	0	0	0	0	0	0	0	0	0
19	O	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	o	ō	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
99	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
99	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0
	o	0	0	0	0	0	0	0	0	0	0	0	Ü
72	0	0	0	0	0	0	0	0	0	•	0	0	
	0	0	0	0	•	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	·
75	0	0	0	0	0	0	0	0	0	0	0	0	J
76	0	0	0	0	0	0	0	0	0	0	0	0	J
77	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0.	0.	0.	0.	•	0.	•	0.	0.	0.	0.	0.	3.
S. D.	• 000	.000		.000	• 000	0000	• 000	000.	0	.000		000	000.
TOTAL OBS.	898	819	668	870	668	870	899	668	049	930	870	930	10623

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**EXTREME VALUES** 

SNOW DEPTH

/BASED ON LESS THAN FULL MONTHS!

MONTHS	SNO DPTH	SNO DPTH	SNO DPTH DAYS									
DEC.												
NOV.		0 62										
OCT.												
SEP.	0 61											
AUG.												
JUL.												1
JÖN.												
MAY												
APR.												-
MAR.												
FB.												
JAN.			300									1
YEAR	48	55	95							MEAN	S. D.	

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INCHES

DATE

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INCHES

DAY

1977\*

1963

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1955 1973 1974

SNOWFALL

PRECIPITATION GREATEST

# DAILY EXTREME AMOUNTS

ASHEVILLE, NORTH CAROLINA

NAVAL WEATHER SERVICE DETACHMENT

YUMA, ARIZONA
STATION NAME

JANUARY

1949-1977

YEARS

MONTH

2	ar o	PRECIPITATION GREATEST	Z O	ω <sub>0</sub>	SNOWFALL
DAY	INCHES	MM	DATE	INCHES	MM
-					
2		1	1960*		
3	60.0	2	1958		
4	-	10	1958		
5	60.0	2	1976		
9		10	1968		
7	60.0		1966		
8		3	1976		
6		10	1976		
10		14	1970		
11	_	3	1973		
12	1		1959		
13	69.0	16	1976		
14	0.05		1954		
15		4	1959		
16	0.11	3	1964		
17	60.0		1971		
18	1	1	1969		
19	0.11	3	1958		
20	1.23	31	1958		
21	0.28	7	1973		
22		1	1969#		
23	01.0	3	1953		
24	10.0		1977		
25	7	4	1962#		
26	0.13	3	1950		
27	0.02	1	1949		
28	1	4	1960*		
58	0.04	-	1960		
30					
31					
Moothly			-		

11 1960

0.44 1.58 0.34

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1949

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10 1955

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1968\*

1957 1991

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1956

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Monthly

1949

1961

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92

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24

19 1949

1966#

0.03

20

1954

1 1955

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18 19

0.03

16 17

0.51

4 15

13

1976#

1967

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0,25 0.00

1969

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22 23 • ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCE ANMET - SMOS

23195 STATION

# DAILY EXTREME AMOUNTS

7007

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

YUMA, AR IZUNA STATION NAME

MARCH

1949-1977

YEARS

APRIL

DATE SNOWFALL Z INCHES 1965 DATE 1965 1951 PRECIPITATION GREATEST Σ 1.07 0.02 0.01 INCHES DAY 2 က 9

DATE

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INCHES

DATE 1970

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INCHES

DAY

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SNOWFALL

PRECIPITATION

1972\* 1965\* 1967# 1976 1975 1969 0.26 0.01

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1958

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1961#

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1968 1976

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1973 1952

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14 15

13

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18 19

1965 1952

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10 = 12 13 14 15 16 17 18 19

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1976# 1976 1971 0.25 0.08 0.10

0.09

1970\*

1956

1952\*

1952

0.10

21 22

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1974#

2 1954

0.09 0.03

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22

23 24

2

1957

0.27

4 1963

1954

1960

1957

119

1951

0.01 0.01

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24

23

1959

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1966\*

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27 28 59 30

10.0 0.07

1967

1949 16 1973

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Monthly

31

1966

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1951

27 1965 1.07 0.78 0.01

30

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Monthly

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T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

\* ALSO ON EARLIER YEARS

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DIRNAVOCE ANMET - SMOS

23195 STATION

# DAILY EXTREME AMOUNTS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

23195 STATION

YUMA, AR I ZUNA STATION NAME

MAW

1949-1977

YEARS

2	ag B	PRECIPITATION GREATEST	Z	<i>,,</i> 0	SNOWFALL	
DAY	INCHES	MM	DATE	INCHES	MM	DATE
1	1	1	1956			
2	1	1	1960*			
3	1	_	1960			
4	0.02		1960			
2	0.23	9	1972			
9	0.03	-	1972			
7	10.0		1972			
00	0.02	7	1977			
6			1977			
10						
11						
12	1	-	1953			
13						
14						
15	1	4	1958			
16	7	-	1958			
17						
18						
19	1	4	1967*			
20	1	•	1958			
21		•	1972			
22						
23	1	-	1961			
24	1	-	1961			
25						
26						
27						
28	1	-	1962			
29						
30						

-

	DATE																																
SNOWFALL	MM																																
SNC	INCHES																																
z	DATE			1960	1969	1969	1971*	1976	- 15	1977	1958			1977	1951		1962	6561	1954		1959			1974	1977	1964	1961	1972		1972		1965	1965
PRECIPITATION GREATEST	MM				1	1		2		•	1			-			-	8			1			-	1	-	1	4		-		6	6
PREG	INCHES			10.0	1	0.05	•	0.09			0.05			-			•	0.32			0.03			-	20.0	1	1						0.37
	DAY	1	2	3	4	9	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly

• ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

6 1972

Monthly 0.23

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# DAILY EXTREME AMOUNTS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

YUMA, ARIZUNA STATION NAME

23195 STATION

1949-1977

YEARS

AUGUST

	E O	PRECIPITATION GREATEST	Z	SO.	SNOWFALL	
DAY	INCHES	MM	DATE	INCHES	MM	DATE
1	0.44	11	1964			
2	0.11	3	1971			
3	0.16	4	1961			
4	0.10	3	1968			
5	0.03	-	1963			
9	0.13	3	1967			
7	0.10	3	1959			
8		•	1969#			
6	•	•	1972*			
10	0.10	3	1971			
11	0.67	17	1955			
12		4	1957			
13	0.02		1973			
14	0.67	17	1977		-	
15	2.05	52	1977			
16	0.24	9	1977			
17	0.26	7	1957			
18	90.0	2	1961			
19	0.30	80	1957			
20	0.47	12	1957			
21		13	1971			
22	0.03	-	1971			
23	0.54	14	1955			
24	10.0		1967			
25						
92	1.14	29	1970			
27	0.15	4	1951			
28		17	1991			
29	0.26	7	1972			
30	-	•	1973*			
31	0.23	•	1967			
	-	-	-			I

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		The Training	-	6		
3	Y.	GREATEST	2	ั้ง ซิ	GREATEST	
DAY	INCHES	MM	DATE	INCHES	MM	DATE
-						
2	0.13	3	1949			
3		•	1977*			
4		•	1970#			
2	0.32	8	1968			
9	0.54	14	1968			
7	0.36	9	1950			
8	0.05		1950			
6	0.05		1963			
10	0.03	1	9961			
=	-	•	1976			
12	-		1954#			
13	•		1967*			
14	0.08	2	1977			
15			1971#			
16	1		1971#			
17	0.02		1954			
18			1955#			
19	0.01		1974			
20			1974#			
21			1967*			
22	0.05	1	1976			
23	0.26	7	1950			
24	0.31	8	1955			
25	•	•	1966*			
26	0.20	5	1976			
27	0.05	1	1968			
28	0.52	13	1951			
29	0.10	3	1966			
30		27	1958			
31	0.03	1	1955			
Manchin	***		. 652			

• ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCE ANMET - SMOS

# DAILY EXTREME AMOUNTS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

23195 STATION

YUMA, ARIZONA STATION NAME

SEPTEMBER

DATE

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INCHES

DATE

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INCHES

DAY

1967

0.43 1.49

1967

1967

1963

0.05

0.08

()

2 9

SNOWFALL

PRECIPITATION

1948-1977

YEARS

OCTOBER MONTH

	DAY	-	2	3	4	5	9	7	8	6	10	11	12	13	14	15	16	17 (	18	19 (	20 (	21	22	23		25 (	26	27 (	28	29	30 (	31
PR	INCHES	0.02	0.12	60.0	1	64.0	2.16		1		1	0.05	0.03	1	61.0	90.0	01.0	98.0	0.70	0.12	0.01	0.01	0.35		60.0	60.0		0.45	1.64	1	0.27	64.0
PRECIPITATION GREATEST	MM	-	3	1	•	12	55		•		1	1	1	1	3	1	3	22	1.6	3			0	-		-		11	42	1	7	-
NO	DATE	1970	1954	1966	1966*	1958	1972		1961		1968	1957	1948	1957	1964	1964	1949	1948	1963	1963	1972	1969	1976	1974#	5	1958		1957	1957	1974*	1951	1957
,	INCHES																															
SNOWFALL	MM																															
	DATE																															

1976

0.02

= 12

0.17

10

œ 6

1976

1958 1966 1948

> 0.03 0.02

13

14 15 1974#

1974#

1974

90.0 0.03 0.10

8 21 22

0

1976

1976

10.0

25

26

24

23

1952

10

0.41

27

28

29

1.27

30

31

1951 1971 1975

1967\*

1963

3

2,42

11 18 19

0

16

1950#

0880

=

\* ALSO ON EARLIER YEARS

61 1963

2.42

Monthly

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE. BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCE ANMET - SMOS

>

DATE

MM

INCHES

DATE

Z

INCHES

DAY

0

0.03

~

1963

1960# 1977\*

2

9

4

1966

SNOWFALL

PRECIPITATION GREATEST

244

800

# DAILY EXTREME AMOUNTS

- התהים

YUMA, ARIZUNA STATION NAME

NOVEMBER

1948-1977

YEARS

DECEMBER

					-	
	2	a a	PRECIPITATION GREATEST	N.	<b>0,</b> 0	SNOWFAL
DATE	40	INCHES	MM	DATE	INCHES	MM
1963	•	1	1	1962		
	2	0.17	4	1969		
	3	0.50	13	1969		
	4	0.11	3	1974		
	2		1	1966		
	9			1966#		
	7	0.03	1	1971		
	80	14.0	10	1959		
	6	0.24	6	1965		
	10	0.12	3	1965#		
	11	0.02	1	1961		
	12	0.05	1	1951		
	13	0.22	9	1975	1	1
	14	0.85	22	1961		
	15	0.56	14	1961		
	91	64.0	12	1965	•	-
	17	14.0	10	1952		
	18	0.28	7	1952		
	19		7	1961		
	20		7	1952	St. 10 all of the street	
	21	0.11	3	1965		
	22	0.28	7	1965		
	23	0.07	2	1975		
	24	0.38	10	1959		
	25		6	1977		
	26		3	1977		
	27	0.04	•	1948		
	28	80.0	2	1977		
	29	0.01		1971#		
	30	90.0	2	1951		
	31	99.0	16	1976		
1963	Monthly	0.85	22	1961	•	

1965\*

1976

0.02

1954

0.02

9

9 = 12 13 14 15

1961 1969

0.07

œ 6

0.02

0.84

1952

1972\* 1965

1969

0.20 0.14 0.16

16

17

1964

1967

0.03

18 19 1963 1963

1965

9

22

0.08 0.03

21

20

1975

1967

1961

1.38

92

1951

0.01

24 25

23

1951

1970

0.02

53 30

0.03

28

27

0

35 1967

1.38

Monthly

31

1967

1967

1967

· ALSO ON EARLIER YEARS

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

-

1961

DIRNAVOCE ANM ET - SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

isti

23195 STATION

### PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided. Every month of a year must have valid observations present before the ALL MONTHS value is selected When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire for that year. Means and standard deviations are computed when four or more values are present for any

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction. of Beaufort classifications. 5

these data where light and variable winds are reported with no directions but with speeds given, the speeds A separate category is provided on the form for variable winds, which are reported in some data sources. will be summarized in the appropriate groups opposite the column headed VARBL.

- Three tables are prepared for all surface winds included, and for all years combined as follows:
- (1) Annual all hours combined
- (2) By month all hours combined
- (3) By month by standard 3-hour groups
- A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet. ģ

SURFACE WINDS

58,

YUMAS ARIZONA
STATION NAME

DAILY PEAK GUSTS IN KNUTS

YEAR	JAN.	FB.	*	MAR.	APR.	MAY	JUN.		JUL.	AUG.	SEP.		OCT.	NOV	DEC.	·	MONTHS
9								_				-					
64			-					-				+				1	
0.5																	
25			-					-				+				+	
53																	
54																	
35			1	1				-				1				1	
20																-	
58			+	T				-	$\dagger$			+	T			+	
20																4	
0.9																	
61																	
62																	
63			+	1				+	1			+			1	1	
*																	
69			1	1				1	1			-				1	
99																-	
67			-					-				-					
68				_													
69			-														
2																	
11			+	1					1			1	1			1	
25																	
36			+	t				-	+			+	T		-	+	
75		*					E	3822	50SE		3333	345	378	26	111	28	
76	22 27SE		3011	324	355	SE 30		254	345			6622	34	1 33	32	37	SE 66
=			3	372	23	29	-	2	38		-	265E	28	3.	1	27	
MEAN	26.5	31.	.0	34.5	30.0	29.5	30.3	•	1.0	30.5	4.4	•	33.0	30.3	30	30.7	66.0
S. D.								-									
TOTAL OBS.	4.0	u	R7	6.9	40	AA		00	0	42		06	66	00	•	03	610

0

2

NAVWEASERVCOM

SURFACE WINDS

75-77

YUMA, ARIZONA

/BASED ON LESS THAN 90% OBSERVATIONS FUR MONTH!

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	MONTHS
48									0	0	0	0	SONIND
64	0	0	0	0	0	c	0	0	0	0	c	0	MINDS
05	o	•	0	0	0	0	0	0	0	0	0	0	WINDS
16	0	0	0	0	0	0	0	٥	0	0	0	0	MINDS
52	0	0	0	0	0	c	0	0	0	0	0	0	MINDS
53	0	•	0	0	0	0	0	0	0	0	0	0	MINDS
34	0	0	0	c	0	0	0	0	0	0	0	0	WINDS
55	0	0	0	0	0	c	ò	0	0	0	0	0	WINDS
96	o	0	0	0	0	0	c	0	0	0	0	0	MINDS
57	c	0	0	0	0	0	0	0	0	0	0	0	WINDS
88	0	0	0	c	0	0	0	0	0	0	c	-	WINDS
65	0	0	0	0	0	0	0	0	0	0	•	0	WINDS
0.0	0	0	0	0	0	0	0	0	c	0	0	0	MINDS
61	c	0	0	0	0	0	0	0	0	0	•	0	MINDS
62	o	a	C	0	0	0	0	o	0	0	0	0	MINDS
MEAN													
S. D.													
TOTAL OBS.													

0

0

0

0

0

13

2

NAVWEASERVCOM

0.

0

SURFACE WINDS

0

58.

YUMAS ARIZONA
STATION NAME

75-77

/BASED ON LESS THAN 90% OBSERVATIONS FUR MONTH!

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NON.	DEC.	ALL
63	O	0	0	o	0	0	0	0	0	0	0	0	WINDS
99	0	•	0	0	0	0	0	0	0	•	c		MINDS
6.5	0	0	0	0	0	0	0	0	0	0	0	0	WINDS
99	o	0	0	0	a	0	c	0	0	0	0		WINDS
67	0	0	0	0	0	0	0	0	0	0	0		WINDS
6.8	0	0	0	0	0	, с	0	•	0	0	¢		MINDS
69	0	0	0	0	0	0	0	0	0	0	c		WINDS
70	0	0	0	0	0	0	0	0	0	0	0		MINDS
7.1	0	0	0	0	0	0	0	0	0	0	0	0	WINDS
72	0	c	0	0	0	0	0	0	0	c	0		WINDS DAYS
73	0	0	0	0	0	0	0	0	0	0	0	0	MINDS
74	0	0	0	0	0	0	0	0	0	0	0		WINDS
75	0	0	0	0	12								WINDS
77								95 35					MINDS
MEAN													
S. D.													
TOTAL OBS.													

0

0

0

NAVWEASERVCOM

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195

WWW .6 1.3 .6 .0 .0 .0

0

0

0

0

=

155

TOTAL NUMBER OF OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

200

0.5 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVÁTIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

73-77

ALL WEATHER

YUMA, ARIZONA

23195

0

COMBITION

SPEED (KNTS) DIR.	1:3	:	7 . 10	11 - 16	17.21	2.2	28 - 33	3 4	41.4	48 - 55	88	*	MEAN WIND SPEED
z	2.6	11.0	13.5	3.2	9.							31.0	7.2
NN	1.0	8.4	3.9	9								8.41	5.7
N.	9.	7.1	1.9									2.6	5.5
ENE	2.6	3.9	• 6									7.1	4.6
•		1.9										1.9	4.3
ESE		9.										9.	5.0
SE	9.	••		9								1.9	1.4
SSE		9.										9.	5.0
•	9.			.6								1.3	7.0
SSW		1.3										1.3	4.0
SW													
WSW	0		9.									1.3	5.0
*	9.	1.9	1.9	9.								5.2	7.3
WWW	9.	9.	• 6									6.1	6.3
¥			3.2	9.								3.9	9.2
NNN		9.	1.9	9.								3.2	8.0
VARBL													
CALM	$\bigvee$	X	$\bigvee$	14.2									
	11.0	38.7	28.4	7.1	9.							100.0	5.5

0

0.

0

0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

ì

SURFACE WINDS

WEATHER CLASS COMBITION

HOURS (L.S.T.)

YEARS

73-77

STATION NAME

YUMA, ARIZUNA

23195 STATION

0

0

700	æ	-
WEAN WIND SPEED	6.	4.
*	31.6	7.61
<b>3</b> 6		
48 - 55		
11 . 16 17 . 21 22 . 27 28 . 33 34 . 40 41 . 47 48 . 55		
34 . 40		
28 · 33		
22 · 27		
17 - 21		
11 . 16	1.9	9
7 . 10	16.1	7.1
• • •	10.3	8.4
1.3	3.2	3.2

0

0

SPEED (KNTS) DIR.	1.3	9.7	7 - 10	91 - 11	17 - 21	12 - 22	28 - 33	34 - 40	D-11	48 - 55	95 2	×	MEAN WIND SPEED
z	3.€	10.3	16.1	6.1								31.6	6.8
NN NN	3.2	8.4	7.1	9.								19.4	6.1
32	9	3.9	1.3	9.								6.5	6.3
	1.3	3.2	1.9									6.5	6.7
3													
888		1.3										1.3	4.5
38		9.		9.								1.3	7.5
388		9.	9.	9.								1.9	8.3
•	9.		9•									1.3	5.0
SSW													
SW	9.	9.										1.3	4.5
WSW		9.	9.									1.3	6.5
*		9.	6.1									2.6	8.9
WWW	• 6	9.	1.3									2.6	5.5
WW	9.	1.9	3.9	9.								7.1	7.0
NNN		9.2	2.6	1.3								6.5	8.2
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	X	X	$\bigvee$	$\bigvee$	$\bigvee$	X	X	$\bigvee$	0.6	
	0.11	35.5	38.1	6. 5								100.0	0

0

0

0

0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

===

SURFACE WINDS

HOURS (L.S.T.) 73-77 WEATHE. CONDITION STATION NAME YUMA, ARIZONA

SPEED (KNTS) DIR.	::	• •	7 - 10	11 - 16	12 . 21	22 - 27	28 - 33	34 . 46	D - 14	48 . 55	% AI	*	WIND WIND SPEED
Z	9.	5.2	13.5	12,3	3.2							34.8	10.5
MNE		1.3	12.3	3.2	9.							17.4	9.2
NE	6.1	2.6	10.3	5.4								19.4	8.7
ENE	9.	1.3	9.	9.								3.2	8.9
		E • 1										1.3	5.0
ESE		6.1										1.9	4.7
SE		E•1	9.									1.9	7.0
388			9.		9.							1.3	12.5
8		2.6	1.9									4.5	4.9
SSW	9.											9.	3.0
SW			9.									9.	3.0
WSW													
*		9.		1.3								1.9	10.7
WWW				6								1.9	13.7
NW		9.	1.3	9.								2.6	8.5
NNW		1.3	1.3	1.3								3.9	8.0
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	X	X	$\bigvee$	2.6	
	3.9	20.0	43.2	25.8	4.5							100.0	0.6

DIRNAVOCEANMET SMOS

0

23195 STATION

155

TOTAL NUMBER OF OBSERVATIONS

8088

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

E

SURFACE WINDS

73-77 ALL WEATHER

STATION NAME

YUMA, ARIZUNA

23195 STATION

14 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.

Z Z

2 2 2

0

0

13.5 1( 8.4 3.9	2	17 - 21	2.2	28 - 33	34 - 40	41 - 47	48 - 55	*	*	WIND SPEED
	10.3	3.9							32.3	11.0
3.9	1.9								12.3	8.2
	9.								6.5	7.7
9.	E .								5.8	7.0
9.									1.9	5.7
0.									9.	7.0
9•	0.								6.1	7.7
1.9	9.								3.2	9.2
3.2	1.3								7.1	7.7
#1 • <b>• •</b>									6.1	8.3
9.	9.								6-1	6.9
	1.9								6.1	11.3
3.9	9.	9.							7.7	7.9
	6.1	0.							6.8	10.7
1.3									6.1	0.7
3.9	4.5	9.							0.6	11.6
$\langle \rangle$	V	X	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	0.	
21.9 44.5 26.5	6.5	5.8							100.0	4.6

SW WSW

0

WNW WNN

0

VARBL

CALM

0

0

0

0

DIRNAVOCEANMET SMOS

SURFACE WINDS JAN 78

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

2

SURFACE WINDS

MEATHER CONDITION

73-77

YUMA, ARIZONA

23195

17 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1.3	9.4	01 - 2	11 - 16	17 - 21	$n \cdot n$	28 - 33	34 - 40	41.47	48 - 55	% Al	*	MEAN WIND SPEED
z	9.	7.1	18.7	7.1								33.5	8.7
N.		2.6	6.1	0.								5.2	6.8
N.	9.	1.3	1.3		9.							3.9	8.0
E	9.	1.3	9.									2.6	5.3
			9.									9.	0.6
ESE	1.3											1.3	3.0
35		1.9										1.9	0.9
SSE		9.	6.1	1.3	9.							4.5	10.7
8	9.	2.6	1.3									4.5	0.9
SSW		1.3	1.3									2.6	6.5
NS SW	9.	2.6	1.3									4.5	5.0
WSW	9.	3.9	9.									5.2	6.9
*		1.9	6.1	1.9								5.8	8.9
WWW	9.	• 6	1.9	1.3	9.							5.2	9.8
MM		1.3	1.9	6								5.2	9.6
NNW		3.2	7.7	2.6								13.5	8.7
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	0.	
	5.8	32.3	43.2 16.8	16.8	1.9							100.0	8.0

DIRNAVOCEANMET SMOS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT

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SURFACE WINDS	JAN	KONTH	20	MOURE (L.S.T.)	
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	73-77	YEARS	ALL WEATHER	CLASS	CONDITION
AL WEATHER SERVICE DETACHMENT ASHEVILLE, NC	YUMA, ARIZONA	STATION NAME			

SPEED (KNTS) DIR.	1.3	9.7	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	95 A1	×	MEAN WIND SPEED
z	9.	13.5	4.5	1.9	9.							21.3	6.7
W.													
37		1.9										1.9	4.0
INE		1.3	9.									1.9	7.0
3		1.9										1.9	4.7
353		9.										9.	4.0
SE		1.3	9.			9.						2.6	6.6
SSE		9.	1.3									1.9	7.0
8	2.0	3.9	1.3									7.7	8.4
SSW	• •	9.										1.3	4.0
NS.	1.3	9.	.6									2.6	4.5
WSW	1.3	9.2										3.9	4.2
*	9.	9.2	1.99	9.	9.							6.9	8.1
WNW	1.9	4.5	2.6									0.6	6.9
N	1.3	7.1	6.5	9.								13.5	5.8
NNW	1.3	7.1	7.7									16.1	6.3
VARBL													
CALM	$\bigvee$	X	X	7.1									
	11.6	50.3	25.8	3.2	1.3	. 6						1.00.0	5.6

0 0 0 0 0 0 0 0 0 0 0

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 MEATHER CLASS CONDITION

YUMA, ARIZONA

23195

23 NOURS (1.S.T.)

JAN.

MEAN WIND SPEED	6.7	6.4	0.5	9.6	4.0	3.7	8.3	6.1	5.6	5.0	4.8	3.6	6.9	4.9	6.9	9.9			6.4
*	18.7	5.8	1.3	3.2	2.6	1.9	1.9	6.5	3.2	2.6	2.6	8.4	4.5	7.1	5.8	7.7		16.1	0.001
8																		X	
48 - 55																		X	
4.4																		$\bigvee$	
34 - 40																		$\bigvee$	
28 - 33																		$\bigvee$	
22 - 27																		$\bigvee$	
17 - 21																		$\bigvee$	
91 - 11	E.I												•	. 6		.6		$\bigvee$	3.2
7 - 10	1.7	9.		9•			6•I	6.1	9.			• 6	1.3	1.9	3.2	2.6		$\bigvee$	22.6
4.6	1.6	3.9	1.3	6.1	2.6	1.3		4.5	2.6	2.6	1.9	1.9	1.3	3.9	5.1	3.9		$\bigvee$	45.2
1:3	9.	1.3		9.		9.					9.	3.8	1.3	9.	9.	• 6		$\bigvee$	12.9
SPEED (KNTS) DIR.	z	NNE	ž	ENE	3	ESE	SE	SSE	s	SSW	SW	wsw	*	WWW	NA	NNN	VARBL	CALM	

0

0

0

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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

## SURFACE WINDS

3

ALL HOURS (LS.T.)

JAN

YEARS

73-77

YUMA, ARIZUNA

23195

WEATHER CLASS

COMBITION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1.3	*;	7 . 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	8	×	MEAN WIND SPEED
z	1.1	2.6	12.2	5.1	1.1							29.5	8.2
NNE	0.1	4.1	6.4	6.	.1							10.4	6.9
2	9.	3.1	2.3	.7	. 1							6.9	6.9
ENE	8	2.7	8.	. 2								4.6	5.5
8	T.	1.1	.2									1.4	6.4
ESE	2.	1.0	• 1									1.3	4.3
SE	2	8.	9.	. 3		•						2.1	7.7
SSE	. 1	1.0	1.1	5	. 2							2.9	8.2
s	1.	1.9	1.2	. 2								4.0	6.1
SSW	.2	1.0	.3									1.6	5.3
SW	4.	6.	<b>5.</b>	-								1.8	5.5
WSW	1.2	1.1	.3	. 3								3.0	5.0
*	5.	7.6	1.7	8	.2							4.7	7.9
WWW	9.	1.5	1.2	33	.2							6.3	7.5
XX	4.	6.1	2.7	9.								5.6	7.2
NNN	ۥ	2.8	3.7	1.0								8.5	0.8
VARBL													
CALM	$\bigvee$	7.7											
	8.6	36.2	33.2	12.3	1.9	1						100.0	6.7

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0

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1240

TOTAL NUMBER OF OBSERVATIONS

E

141

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

200

92 HOURS (1.8.T.)

FEB

YEARS

73-77

YUMA, ARIZONA

23195

SURFACE WINDS

WEATHER CLASS COMBITION

SPEED 1 - 3 (KNTS) 1 - 3 DIR.	z	NNE 2	Z.	ENE 2.	ESE	*	335	\$ 2.	SSW	SW	wsw 2.1	*	WNW	N.	NNW	VARBL	4
;	1.4 5.0	1 2.8	4 1.4	1 2.8	7 2.	4.3	3.5	1 2.1		•	1 1.4	1.4 3.5		1.4	4.3		
7 . 10	6.4		4	3	I	3 2.1	5 1.4			7	1.	5 2.1		4 1.4	3.5		(
11 . 16					,		. 7					. 7	. 7	1,4	7		/
17 - 21																	1
22 . 27																	1
28 · 33																	
34 - 40																	/
41.47																	1
48 - 55																	
% AI																	1
×	11.3	5.7	2.8	5.0	3.5	7.9	25	5.0		7.	4.3	7.8	.7	4.3	8.5		20 4
MEAN WIND SPEED	6.3	4.5	3.5	3.6	6.4	5.6	6.5	6.7		0.7	4.2	8	14.0	8.7	7.5		

DIRNAVOCEANMET SMOS

FEB

HOURS (L.S.T.)

=

SURFACE WINDS

5702

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

23195

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0

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DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 STATION NAME YUMA, ARIZONA

CONDITION

SPEED (KNTS) DIR.

0

0

MEATHER CLASS

6.0 4.8 5.8 7.3 3.6 3.0 9.9 4.0 MEAN WIND SPEED 4.7 0.9 9.6 11.7 3.5 2.8 4.3 5.0 5.0 20.6 6.6 3.5 6.3 2.8 2.8 2.8 \* 8 48 . 55 41 . 47 34 - 40 28 - 33 22 - 27 17 - 21 1.4 11 . 16 4 . 1 -. 1. 2.0 1.4 4 . 4 7 - 10 9.0 5.0 4.3 1.4 1.4 6.6 2.1 1.4 2.1 4.3 3.5 4.6 2.1 2.1 1.4 . 2.0 2.1 1.3

OBSERVATIONS
ö
NUMBER
TOTAL

141

4.6

100.0

13.4

1.6

WWW

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0

0

0

0

0

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WSW

0

SW

SSW

s

0

25 SE SS

0

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NAW CALM 12.8

43.3

18.4

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

23195 STATION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

SURFACE WINDS (FROM HOURLY OBSERVATIONS)

73-77 WEATHER CLASS COMBITION YUMA, ARIZUNA

HOURS (L.S.T.)

FEB

1.4 10.6 1.4 10.6 1.4 3.5 1.4 3.5 1.4 3.5 1.4 3.5	(KNTS)	:	•	7 . 10	91 - 11	17 - 21	2.27	28 - 33	34 - 40	41 - 47	48 - 55	The second second second second	% AI	
1.4 10.6 2.8 2.1 2.8 1.4 1.4 3.5 .7 1.4 .7 .7 2.1 .7 .7 2.8 2.1 7 .7 .7	z	3.5	6.6	11.3	7.	.7								26.2
2.1 2.8 1.4 1.4 3.5 .7 1.4 .7 .7 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7	NN	1.4	10.6	2.8										14.9
2.1 2.8 1.4 1.4 3.5 .7 1.4 .7 .7 7. 7. 7 2.8 2.1 .7	W.	.7	7.8	5.5										12.1
1.4 3.5 .7 1.4 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	ENE	2.1	2.8	1.4										6.4
1.4 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	£	1.4	3.5	.7										5.7
1.4 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	ESE		1.											7.
2.8 2.1 7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7	SE	1.4			1.4									2.8
2.1 .7 .7 .77 1.4 1.4	SSE	1.			1.4									2.1
2.1 .7 .77	8													
2.14 1.477	SSW													
2.1 1.4 1.4 .7 .7 .7 .7 .7 .7 .7 .7	SW	1.	.7											1.4
2.8 2.1	WSW	2.1												2.1
2.8 2.1	*	.7	1.4	1.4										3.5
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	WWW			. 7	. 7									1.4
	N		2.8	2 • 1	. 7									5.7
CALM	NNN		.7	. 7										1.4
CAUM	VARBL													
	CALM	$\bigvee$	X	X	Λ /	13.5								

1111

TOTAL NUMBER OF OBSERVATIONS

0

0

SURFACE WINDS

6 E

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

WEATHER CLAS
ALL WEATHER CLASS
CLASS

5.0 9.9 5.0 7.1 7.8 4.3 7.7 1.4 7.7 2.1 7.1 1.4 1.4 1.4 1.4 1.4	11 . 16 17 . 21 22 . 27 28 . 33 34 . 40 41 . 47 48 . 55	\$ 99 Al	WIND WIND SPEED
1.4	2.8 1.	28.4	11.1
1.4		14.2	7.5
1.4 .7 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4		17.0	7.8
1.4 .7 2.1 .7 .7 .7 .7 .7 .7 .7 .7 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 .7 2.1 .7 2.1 .7 2.1 .7 2.1 .7 2.1		3.5	9.9
1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4		3.5	4.4
1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4		.7	3.0
1.4 1.4 1.4 1.4 1.4 1.4 1.4 .7 2.1 .7 2.1 .7 2.1		3.5	2
1.4 1.4 1.4 1.4 1.47 2.17 1.47 2.1	۲.	4.3	12.2
1.4 1.4 1.4 1.4 .7 2.1 .7 1.4		3.5	4.4
1.4 1.4 1.4 1.4 .7 2.1 .7 1.4 2.8			
1.4 1.4 1.4 1.4 .7 2.1 1.4 2.8			
1.4 1.4 1.4 1.4			
.7 2.1 1.4 2.6	7.	4.9	0.1
1.4 2.6		cu.	13.6
1.4		2.8	10.5
	•	5.0	10.6
		3.5	
7.8 24.1 31.2 25.5 6.4 1 4	4-4	100.0	0

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0

0

DIRNAVOCEANMET SMOS

0

23195

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

## SURFACE WINDS

8000

14 HOURS (L.S.T.)

FEB

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 75-77 MEATHE.

YUMA, ARIZONA

23195

CONDITION

7 4.3 7.1 5.0 2.8 20.6 1	SPEED (KNTS) DIR.	1.3	•••	7 - 10	91 - 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	95 <1	*	MEAN WIND SPEED
7       3.5       8.5       1.4	z	1.	4.3	7.1	5.0	2.8	7						20.6	9.01
1.4 1.4 1.4 2.1 1.4 2.8 2.1 1.4 2.1 2.1 1.4 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	NN	.7	3.5	8.5	4.4	1.							14.9	6.4
1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	Z.		5.0	3.5									8.5	6.2
1.4	ENE	1.	1.4	1.4	1.4								5.0	8 1
1.4 2.1 2.1 1.4 2.8 2.1 10.6 1 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1	E		1.4										1.6	5.0
1.4 2.1 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	ESE	1.											7.	3.0
1.4 2.1 2.1 10.6 1  1.4 2.1	SE		.7	1.	7.			1					2.1	10.3
4.3       1.4       2.8       2.1       10.6       1         7       .7       .7       .7       1.4       1.4         .7       .7       .7       5.0       2.8       3.5         2.8       3.5       2.8       .7       5.0       2.1       1.4       .7         5.0       29.6       32.6       19.9       9.9       1.4       1.4       1.4	SSE		1.4	1.		L.							2.8	9.3
1.4 2.1 .7 2.1 .7 3.5 .7 2.1 .7 .7 .7 .7 .7 .3.5 2.8 3.5 2.8 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	8		4.3	1.4		2.1							9.01	10.0
1.4 2.1 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .	SSW		1.		7.								1.4	5.8
2.8 3.5 2.8 3.7 .7 .7 .7	SW	1.4	2.1										5.5	0.4
1.4     1.4       2.8     3.5     2.8       2.8     3.5     2.8       3.1     1.4     .7       3.2     1.4     .7       3.0     29.6     32.6       10.0     1.4	WSW	1.	1.	2 . 1	F								5.0	9.1
2.8 3.5 2.8 .7 .7 .9.9 9.9 1.3 .9.9 1.00.0	*		1.6	1.4	1.4								8.4	8.8
2.8       3.5       2.8       .7       9.9         2.1       1.4       .7       9.9         3.0       29.6       32.6       19.9       9.9       1.3	WWW				1.4	.7							2.1	13.3
5.0 29.6 32.6 19.9 9.9 1.4	NW		2.8		2,8	. 7							6.6	6.8
5.0 29.6 32.6 19.9 9.9 1.0	NNW			2.1	1.0%		. 7							13.8
5.0 29.6 32.6 19.9 9.9 1.0	VARBL													
0 29.8 32.6 19.9 9.9 1.4	CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	1.4	
		5.0	29.8	32.6	19.9	6.6	77						0.001	0.0

Or

0

10

0

0

SMOS DIRNAVOCEANMET

0

13.18

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

OOMMMOO

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

YUMA, ARIZONA

23195

YEARS

WEATHER CLASS

17 HOURS (L.S.T.)

FEB HONTE

17 - 21

11 - 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

5.9

5.7 2.1

5.0 2.8 .

1.4

5.0

Z Z Z

MEA WIN SPEE	10.	•9	4.	5	4.	4.	9	10.	00	.6	8	.5	7.	.9	7.	9.		٢
*	19.1	4.9	5.7	2.1	1.4	2.1	1.4	3.5	5.7	2.8	7.1	5.7	13.5	5.7	5.7	10.6	1.4	0 001
8																	X	
4 . 35																	X	
41.4																	X	
3 . 4																	X	
<b>8</b> · <b>3</b>																	X	
2.2																	V	

4 . 4

2.8

2.1 3.5 4.3

3.5

7 . 7

WWW

NW NW

CALM

WSW

\*

SK.

. 3.5

3.5

1 . 4

4.0

1.4

1.4

2.1

SSW

2.1

.

1.4

22 23

32 • 141

TOTAL NUMBER OF OBSERVATIONS

18.4

31.9

35.5

## SURFACE WINDS

=

20 NOURS (L.S.T.)

FEB

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS) 75-77 YUMA, ARIZONA NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

ALL WEATHER

23195 BRATION

CONDITION

0

O.

0

0

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8800

141

TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

YEARS	2.3 HOURS (L.S.7.)	
(3-7)	ALL MEATHER	COMBITION
TORAS AKILONA		

=

DIRNAVOCEANMET SMOS

0

0

188

141

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 STATION

## SURFACE WINDS

1 BO

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS)

FEB	MONTH	ALL	HOURS (L.S.T.)	
73-77	YEARS	LL WEATHER	CLASS	NOLLIGHOOD TO THE PROPERTY OF
ARIZONA	STATION NAME			

KNTS)	::	•	7 - 10	11 . 16	17 . 21	22 - 22	28 · 33	34 . 40	41 . 47		4 . 55	4 . 55 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
z	1.5	6.5	6.6	3.1	1.2	(4)							19.1
NN	1.0	4.3	3.0	4									0.0
¥	6	4.1	1.5	5									7.0
ENE	. B	2.0	· ·										3.6
•	0.	1.5	2	.2						_			2.5
ESE	. 5	• 8	.2										1.6
35	••	.7	1.1	6.									3.3
386	4.	1.3	1.1	1.	6.								3.8
•	6	2.1	1.1	4.	4.								0.4
SSW	.1	9.	6	6.3									1.2
SW	1.1	2.0	5.	. 1	.1								3.7
WSW	1.3	1.7	6.	. 1	. 1								4.3
*	1.2	3.8	2.2	1.2	.1								8.6
WWW	+.	1.4	1.0	1.2	.3								4.2
NA	.3	2.3	2.2	6	. 2								5.9
NNW	. 1	1.7	5.5	1.2	3								5.0
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	X	X	X	X	X	$\bigvee$	1	X	X	\$: I
	11.0	24 0	0,0		*								

DIRNAVOCEANMET SMOS

1128

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

YUMA,

3.0

MEAN WIND SPEED

\*

2

48 - 55

0.4 4.5

6.1 1.3

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

YUMA, ARIZONA

23195 STATION

1

0.2 HOURS (L.S.T.)

MAR

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n · n				9.		
17.21					9.	
. I.	.00			6	9.	
2	6	T		0	2	

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1.3

Z z Z

..

SPEED (KNTS) DIR.

2.0

28 8 SSW NS.

0

22 25

1.3

1.3

1.9 0

WSW

.

WWW

N. S

0

VARBL CALM

0

2.6 1.9 0 0. 1.9 7.3 9.6 3.9 1.5 5.5 3.2

5.2

6.5

11.6 7.7

6.9 6.5

5.2

2.6

20.0

9.1

4.4

7.7 3.2 7.1

8.4

6.5

.

8.4 20.0 36.8 2.0 5.2 3.0 9.

0

TOTAL NUMBER OF OBSERVATIONS

155

5.2

0000

DIRNAVOCEANMET SMOS

0

0

0

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) MAR YEARS 73-77 NEATHER CLASS STATION NAME YUMA, ARIZONA

23195 STATION

SPEED (KNTS) DIR.	z	NNE	N.			ESE	*	388	8	SSW	SW SW	wsw	*	WWW	N	NNN	VARBL	CALM	-
•	1.9	3.2	1.9	3.2	6.3	£0.			. 3	9.		15	• 3					$\langle \rangle$	7 7 1
•	10.3	2.6	1.3	3.2	1.3	1.3	2.6	1.9	4.5	6.1	••	1.9	2.6	1.9	9.	9.		X	30 %
7.10	2.6	• 6	9.					3.2	3.2	9.			2.6	3.9	1.9	1.9		$\bigvee$	21.2
11 . 16	1.9						9.	0.					.6	3.2	. 6			$\bigvee$	7. "
17 - 21																		$\bigvee$	
n · n																		$\bigvee$	
8 . 33																		$\bigvee$	
¥ 6																		$\bigvee$	
4.0																		$\bigvee$	
48 . 55																		$\bigvee$	
8 41																		$\setminus$	
*	16.8	6.5	3.9	6.5	2.6	2.6	3.2	5.8	0.6	3.2	9.	3.2	7.1	0.6	3.2	2.6		14.2	
MEAN WIND SPEED	0.9	4.2	4.7	3.8	4.3	3.8	3.8	8.2	5.4	4.6	0.4	3.8	6.7	9.3	7.6	7.5			

0

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0

0

0

0

0

0

0

188

HOURS (L.S.T.)

MAR

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 YUMA, ARIZONA NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

WEATHER CLASS

ALL

23195

CONDITION

NNW VARIL	41 . 4 4 . 55 136	* WIND SPEED 20.0 7.3 7.7 7.7 5.1 6.5 4.8 4.5 5.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9

155

TOTAL NUMBER OF OBSERVATIONS

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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

YUMA, ARIZONA

23195

=

SURFACE WINDS

MEATHER CLASS

HOURS (L.S.T.)

SPEED (KNTS) DIR.	· · ·	;	7 - 10	91 - 11	17 - 21	22 - 27	28 . 33	34 . 45	4.4	4 . 55	<b>%</b>	*	MEAN WIND SPEED
z		3.9	5.4	4.5	3.9							16.8	11.0
NNE		2.6	6.8	1.3								7.7	8.1
NE		1.9	3.9		9.							5.9	8.6
ENE			9.2									2.6	8.5
	9.	9.	9.									1.9	4.7
ESE		9.										9.	5.0
35	1.3	9.	6.1	1,3								5.2	8
358		9.	. 6		9.							1.9	11.3
s	9.	1.9	3.2	3.2								0.6	0.6
SSW	9.	9.	1.3									2.6	6.8
SW	4.5	1.9	1.9	1.3								2.6	5.6
WSW		1.9	1.3	0								6.€	7.3
*	1.9	1.9	6.5	3.9								14.2	0.6
WWW			1.3	4	9.							5.9	13.1
X	1.3	2.6	1.3	9.								8.8	4.9
NNN	9.		1.3	1.3								3.2	4.6
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	X	X	X	6.1	
	11.6	21.9	36.1	22.6	8.8							100.0	9-8

SURFACE WINDS

888

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77 WE A THER

STATION NAME

YUMA, ARIZONA

23195 STATION

YEARS

14 HOURS (L.S.T.)

MAR

COMBITION

SPEED (KNTS) DIR.	1.3	:	7 - 10	11 . 16	17 . 21	22 - 27	28 · 33	34 · 40	41.4	44 - 55	8	*	MEAN WIND SPEED
z		5.8	4.5	1.3	9.							12.3	7.4
NNE		3.2	3.2	9.								7.1	7.5
NE NE	9.		3.2									3.9	7.8
ENE			0									9.	7.0
E	9.	9.										1.3	0.4
ESE													
SE		1.9	9.	1.3								6.€	6.5
SSE		9.		1,3								6.1	1.6
8		2.6	5.2	2.6								10.3	8.7
SSW	F-1	1.9	1.3	0.	9.							5.8	8 . 1
SW		1.3	7.7	0.								4.4	8.7
WSW		1.3	3.2	3.9								8.4	10.2
*		3.9	6.5	4.5	2.6							17.4	10.0
WWW		9.	9.	1.3	60							3.9	12.7
¥	9.	9.	1.3	1.3	6.1							5.8	11.4
NNN	9.	1.3	2.0	1.9								6.5	8.8
VARBL													
CALM	$\bigvee$	1.3											
	3.9	25.8	40.6	21.3	7.1							100.0	6 8
			1		1								

0

9008

0

-

155

TOTAL NUMBER OF OBSERVATIONS

0

0

0

0

MEAN WIND SPEED

28 . 33

22 - 27

17 - 21

11 - 16

7 - 10

-3

SPEED (KNTS)

6.5

3.6

9.

9.

1.3

¥ 2 3

### SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

17 HOURS (L.S.T.)

MONTH

MEATHE

1.9 1.9 3.9 26.5 9. 2.6 3.4 7.7 10.3 \* 8 48 - 55 41 . 47 34 - 40

0

10.0

10.5

9.7 3.8

5.8

6.

WSW

3

6.9 0

9.

WNW

\*

1.3

.

.

9.

SSW

.

2 2 2

•

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

0

0 0 0

0 0

NW VARBL

CALM

0

0

45.8

0

YUHA, ARIZONA

23195 STATION

0.9

1.9

0.0

0.6

0.

111

12.5 8.0

6.5

6.4

7.1

8.2

7.7

3.6 5.4

8 . 8

26.5 0.6

11.6

6.6 7 6

5.8

-

155

100.0

41.3

1.9

MEAN WIND SPEED

8

20 HOURS (LS.T.) SURFACE WINDS MAR

8

NEATHER CLASS

73-77

YUMA, ARIZUNA

23195

48 - 55

01 .	11 . 16	17 . 21	22 - 22	28 - 33	34 - 40	11 - 47
6						
9.						
9.						
0.						
	e e	9.				

- 3

ZZZZ

												$/ \setminus$	
												X	-
		9.		9.					9.			X	
		1.3	1,3					0.6	2.6	• 0		X	-
9•	0.		2.6	5.2	1.3	1.9	3.2	1.6	3.2	2.6	1.3	X	
9.			2.6	1.9	4.5	5.8	7.7	7.1	6.1	1.3	3.2	X	

.

WWW

WSW

35

\*

NW NAW

CALM

SSW

0

0

- 25 25 25

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAR	MONTH	23	MOURS (L.S.T.)	
	YEARS			
73-77		ALL MEATHER	CLASS	CONDITION
RIZONA	STATION NAME			

MEAN WIND SPEED	12.3	6.0	3.0	0.4	6.0	5.0	9.1	7.6	8.8	4.5	5.9	6.3	8.7	6.6	6.2	5.0			4.4
×	2.6	9.	9.	2.6	9•	9.	5.2	0.6	0.6	2.6	6.5	10.3	20.0	3.4	7.1	1.3		12.9	100.0
95 AI																		X	
8 . 35																		X	
41.4																		$\bigvee$	
34 - 40																		$\bigvee$	
28 - 33																		$\bigvee$	
22 - 27																		$\bigvee$	
17 - 21	9												1.3	9.				$\bigvee$	2.6
11 - 16	ġ.						5.1	9.	9.		9.		3.2	3.2				$\bigvee$	11.0
7 . 10	1.3						1.3	3.9	1.9	9.	1.3	3.9	6.7	1.9	2.6			$\bigvee$	28.4
• •		9.		1.9	9.	9.	1.9	4.5	5.2	9.	3.2	5.2	5.8	1.9	3.9	1.3		$\bigvee$	37.4
1.3			• 0	9.					1.3	1.3	1.3	1.3		9.	9.			X	7.7
SPEED (KNTS) DIR.	z	JNN	3N	BNE	1	353	35	388	S	WSS	MS	MSM	*	MMM	MN	MNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

YUMAs

23195 STATION

# SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL MEATHER

73-77

STATION NAME

YUMA, ARIZONA

23195 STATION

ALL HOURS (L.S.T.)

MAR

CONDITION

SPEED			9	:		3	,	3	;		774		MEAN
DIR.	:	:	?	<u>•</u> •	7. //	7.7	S	<b>₹</b>	<b>?</b>	6 •	8	e	SPEED
z	9.	4.6	3.9	ာ• T	co.							11.6	8.1
NNE	L.	1.8	1.5	.2								4.3	6.3
3K	8.	1.0	1.4									3.3	6.2
ENE	9.	1.5	9.									2.7	5.0
£	4.	9.	. 2									1.3	5.0
ESE	2.	4.										9.	9.5
SE	4.	1.3	1.0	1.0	.2							0.4	0.6
SSE	7.	1.8	2.3	6	-2							5.3	8.6
\$	0.1	3.2	3.3	1.0	.2							8.8	7.1
SSW	0.1	1.6	1.1	-:	7.							3.9	5.7
SW	0.1	2.6	2.4	4,								4.9	6.4
WSW	9.	2.9	5.6	L.								6.9	6.8
*	6.	4.5	5.9	5.4	9.	•						16.6	0.6
WNW	• 3	1.6	2.0	2.8	9.							7.3	10.1
X	• 0	1.9	2.1	9.	m.							9.6	7.7
NNW	.2	1.0	1.3	6.								3.3	8.5
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	8.1	
	4.6	32.3	31.7	14.9	3.2							0.001	7.1

DIRNAVOCEANMET SMOS

1240

TOTAL NUMBER OF OBSERVATIONS

2

PERCENTAGE FREQUENCY OF WIND

FROM HOURLY OBSERVATIONS)

02 HOURS (L.S.T.) YEARS 73-77 WEATHER COMBITION STATION NAME YUMA, ARIZUNA

SPEED (KNTS) DIR.	::	•	7 . 10	n . 16	17 . 21	22 - 27	28 · 33	34 . 40	41.49	48 - 55	\$ Al		*
z		2.7										-	2.7
ZZ		2.7											2.7
72	1.3	.7											2.0
EN EN			1.										1.3
•		2.0											2.0
181			.7	1									1.3
35		4.0	6.									,	4.7
355		2.7	0.9										8.7
•	1.3	10.0	5.1									1.	12.7
ASS	2.0	3.3	1.									7	0.9
WS.		2.0		1.									2.7
MSM	.7		1.3									1	2.0
*		3.3	6.0	4.0	.7							16	0.41
MNM		.7	2.0	2.0								7	4.7
WW	7.	4.0	2.0									3	2.9
MNN	1.3	1.3	2.0									7	4.7
VARBL													
CALM	$\bigvee$	2	21.3										
	7.3	40.0	23.3	7.3	7.							100	100.0

E

DIRNAVOCEANMET SMOS

0

0

2000

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

23195 STATION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	73-77	APR
STATION NAME	TAM	MTHON
	ALL WEATHER	05
	CLASS	MOURS (L.S.T.)
	COMBITION	

SPEED (KNTS) DIR.	: ·	97	7 - 10		17 - 21	2.2	28 . 33	34 - 40	41.47	48 - 55	8	*	
z	2.0	8.7	3.3	.7								~	14.7
Z		2.0	.7									2	2.7
¥	.7	2.7										3	3.3
E E	.7	1.3										2	2.0
•	1.3	2.7										4	0.4
ESE	.7											2.	2.0
*		2.7	1.									3,	3.3
SSE	2.0	2.7	0.4									8.7	1
•	0.4	0.9										10.7	1
SSW		0	1.3									2.7	7
AS.		3.3	. 7									4.7	1
WSW	. 7	1.3										2.	2.0
*	7.	4.0	0.9	2.7								13.3	.3
WWW		1.3	1.3	1.3								4	4.0
WW		1.3	. 7	7.								2.	1.
NNN													1.
VARBL										*			
CALM	X	X	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	18.7	1
	12 3	4 67	000	12								000	1

0

0

0

0

0

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0

-

150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

O.B. 73-77 ALL WEATHER YUMA, ARIZONA

SKNTS) DIR.	1.3	•	7 . 10	11 . 16	17 - 21	22 - 22	28 - 33	34 - 40	41.4	48 - 55	95 AI	×	MEAN WIND SPEED
z	. 7	12.0	2.0	1.3		1						16.0	5.8
NNE	1.3	0.4	3.3	.7								6.9	4.9
T.	2.0	4.7										6.7	
ENE	1.3	1.3										2.7	
3	2.											1.3	
ESE			. 7	7.								1.3	-
38	2.	1.3	7	1.3								0.4	
358		7.	3.3	7.								4.7	
•	.7	5.3	1.3									7.3	
SSW	2.0	.7										2.7	
SW		.7	1.									1.3	
WSW	1.3	.7	L.	. 7								3.3	
*	2.0	5.3	3.3	2.7								13.3	
WWW		.7	5.3									0.9	
R		1.3	.7	1.3								3.3	
NNN	7.		. 7	.7								2.0	
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	16.7	
Į.	13.3	39.3	22.7	10.0								0 001	7 3

918

DIRNAVOCEANMET SMOS

0800

TOTAL NUMBER OF OBSERVATIONS

0

23195 STATION

TOTAL NUMBER OF OBSERVATIONS

NOURS (L.S.T.)

APR

YEARS

73-77

STATION NAME

YUMA, ARIZONA

23195

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CONDITION

ALL MEATHER

SPEED (KNTS) DIR.	1.3	4.4	7 - 10	11 - 16	17 - 21	12 - 17	28 - 33	34 - 40	41 - 47	48 - 55	\$ A1	*	MEAN WIND SPEED
z		2.7	0.9	5.3	2.0							16.7	10.1
NNE		2.0	. 7	7								3.3	7.6
2		2.0	1.3	1.3								4.7	0.8
F		1.3	1.3									2.7	6.5
		1.	.7									1.3	6.0
ESE													
SE		~	2.0									2.7	7.8
SSE		1.	2.0	.7								3.3	0.6
8	1.3	0.9	1.3	1.3								10.0	6.1
SSW		2.0	2.0									4.0	6.3
SW	1.3	0.4	1.	1.3		7						8.0	7.8
WSW	1.	1.3	1.3	1.3								4.7	8.0
*		4.7	8.0	8.0	1.3							22.0	10.1
WWW		1.3	1.3	4.0								6.7	10.7
×		2.0	2.0	2.0								6.0	8.6
NNN		.7											5.0
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	X	X	X	3.3	
	0.4	32.0	7.08	26.0	3.3	1						100.0	4. 9

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150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

TE

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 WEATHER CLASS CONDITION YUMA, ARIZONA

14 HOURS (L.S.T.)

DIRNAVOCEANMET SMOS

23195 STATION

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

9400

-

150

TOTAL NUMBER OF OBSERVATIONS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

E

APR

SURFACE WINDS

17 HOURS (L.S.T.) YEARS 73-77 NEATHER CLASS STATION MAME YUMA, ARIZONA

SPEED (KNTS) DIR.	::	:	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 . 45	4 . 4	48 · 55	N 56		*
z		1.3	0.4	3.3	7.								9.3
NNE				E 1									1.3
N.		7.	. 7										1.3
ENE													
-													
ESE		1.											.7
SE		1.			1.3							-	2.0
SSE				7.	7.								1.3
s		2.0	4.7	1.3	.7								8.7
SSW		1.3	3.3	7									5.3
NS.	1.	4.0	7.3	2.0									4.0
WSW		5.3	11.3	. 7									7.3
*	.7	4.0	11.3	7.3	2.0							-	5.3
WNW			1.3	1.3	.7	7							4.0
NN		1.3	2.0	1.3									5.3
NNN		. 7	2.0	.7									3.3
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$		.7
	2.0	22.0	48.0	7.02	0.0	- 5"						0	0 001

0

0

DIRNAVOCEANMET SMOS

23195 STATION

1

8466

150

TOTAL NUMBER OF OBSERVATIONS

0

0

0

0

0

0

0

5.0 7.6 0.9 7.0 5.5 9.6 8.3 MEAN WIND SPEED 10.3 8.1 2.0 2.0 18.0 8.0 16.0 5.3 21.3 8.0 3.3 1.3 . 100.0 8 48 - 55 41 . 47 34 . 40 28 . 33 22 - 27 1.3 17 - 21 14.0 11 . 16 26.7 1.3 3.3 . 4.0 1. 7 . 10 C . T 1.3 4.3 47.3 2.0 2.0 10.0 7.3 . 4.0 4.6 . - 3 VARBL WWW SPEED KNTS) DIR. N N N 2 2 2 ASA ASA NNK CALM SSW ž z . \* •

SMOS DIRNAVOCEANMET

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

23195

YUMA, ARIZONA

200

20 HOURS (L.S.T.)

APR

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

73-77

ME A THE

CONDITION

DIRECTION AND SPEED

188

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

FROM HOURLY OBSERVATIONS)

23 HOURS (1.8.T.) 73-77 NEATHER CLASS COMBITION YUMA, ARIZONA

SPEED (KNTS) DIR.	:: ::	<b>9.</b>	7 . 10	9 9 1	17 - 21	n · n	28 - 33	34 . 26	9.11	88 - 85	X1		*
z	1.3	1.	2.										2.7
Z		1.3	.7										2.0
¥		1.											1.
ENE		. 7										-	7.
	7											-	.7
ESE		7.										-	.7
35		2.7	3.3	E . 1								_	7.3
SSE		1.3	4.7	2.7	. 7								9.3
8		5.3	3.3										8.7
SSW		4.0											0.4
AS.	1.	4.7	1.3										6.7
WSW	2.7	3.3	2.7	.7									6.3
*	7.	4.7	6.7	4.7	2.0							7	8.7
WWW	.7	4.7	1.3	2.7									6.3
¥	7.	2.7	2.7										0.9
NNN			1.3										1.3
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	1	12.0
	7.3	37.3	28.7	12.0	2.7							10	100.0

0

0

0

0-

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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0

0

200

TOTAL NUMBER OF OBSERVATIONS

8011

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

YUMA, ARIZUNA

YEARS

ALL HOURS (L.S.T.)

COMBITION

SPEED (KNTS)	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 22	28 . 33	34 . 40	41.4	48 . 55	V 56	×	MEAN
DIR.													SPEED
z	1.	4.3	2.3	1.6	4.							6.3	7.5
NNE	• 2	1.0	. E	157								3.2	7.3
NE	· 5	1.6	5.	. 2								2.8	8.8
ENE		.7	4.									1.5	5.3
	• 3	1.0	. 1									1.4	4.4
ESE	•	• 5	- 2	2.								6.	6.7
SE	• 2	1.5	1.1	.3	.2							3.3	0.9
SSE	.3	1.5	5.9	6	-2							6.6	8.4
	1.2	5.1	2.3	7	.1							9.6	6.3
SSW	• 5	2.2	1.3	5								9.4	6.7
SW	.03	4.2	2.5	. 7	. 1	•						8.3	6.6
WSW	6.	3.0	3.7	1.0	.1							2.8	7.2
*	1.	4.6	7.3	4.3	1.0							18.0	0.6
WWW	.2	1.4	2.2	2.3	.2							6.3	9.8
××	.3	1.9	1.4	7	. 1							6.4	7.5
NNW	. 2	9.	1.1	9.								2.5	
VARBL													
CALM	$\bigvee$	X	$\bigvee$	0.6									
	7.5	35.7	30.2	14.8	2.5	10						100.0	6.4

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0880

TOTAL NUMBER OF OBSERVATIONS

0

DIRNAVOCEANMET SMOS

0

SURFACE WINDS

0.2 HOURS (L.S.T.)

MAN

YEARS

73-77

STATION NAME

YUMA, ARIZONA

23195

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

ALL WEATHER CONDITION

SPEED (KNTS) DIR.	: - : -	:	7 . 10	11 . 16	17 - 21	22 - 27	28 . 33	34 · 40	4.4	48 - 55	<b>%</b>	*	
z		1.9	1.3									3.2	4.9
NN													
¥	9.											9.	3.0
2													
-		1.3	9.									1.9	6.3
ESE	9.	2.6										3.2	4.6
SE	9.	2.6	5.2	9.								0.5	7.2
SSE	9.	3.9	7.7	2.6								14.8	7.6
s	1.3	6.7	2.6									13.5	5.5
SSW		6.5	• 6									7.1	15
SW		3.2										3.2	4.0
WSW	1.3											1.3	3.0
*		2.6	1.9	2.6								7.1	9.3
WWW	9.	4.5	2.6	1.3								0.6	6.8
N.		1.9	0	9.								3.2	7.2
NNN		1.9	1.3									3.2	50
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	19.4	
	5.8	42.0	24.5	7.7								100.0	5.3

100

100

155

TOTAL NUMBER OF OBSERVATIONS

0

0

SURFACE WINDS

-

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 MEATHER CLASS

0.5 HOURS (L.S.T.)

MAY

COMDITION

Contract of the last			The second second second second	Company of the Compan	The second secon	The second secon	The second second	The second second second second	The second secon	The state of the s	The second secon		
SPEED (KNTS) DIR.	<b>8</b> :-1	9.,	7 . 10	91 - 11	12 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	*	MEAN WIND SPEED
z	1.3	1.9	9.	9.								4.5	5.4
ZZ	5.1	1.3										3.2	3.8
NE	9.	1.9										2.6	4.3
ENE	0.	9.										1.3	3.5
	1.3	4.5										5.8	4.4
ESE	1.3	1.9										3.2	4.0
SE	1.9	1.9	3.2	3.2								10.3	8.4
386	2.6	2.6	5.8									11.0	4.9
8	9	7.7	1.9									10.3	5.4
SSW		2.6	1.3									3.9	5.3
SW	1.3	5.1	0.									3.9	4.5
WSW	2.0		9.									3.2	4.0
*		5.5	••									5.8	5.2
WWW	1.3	9.	3.2	1.9								7.1	8.2
X	1.3	1.9	1.9	9.								5.8	6.1
NNW		1.3	1.3									2.6	6.3
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	15.5	
	18.7	38.1	21.3	5.6								100.0	6.7
		-				1					_		

DIRNAVOCEANMET SMOS

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0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

YUMA, ARIZONA

23195 STATION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

STATION MAME

YUMA, ARIZONA

23195 STATION

WELTHER CLASS

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O.B. MONTH MAY

SURFACE WINDS

SPEED (KNTS) DIR.	- 3 - 3	• •	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 . 40	41.47	48 . 55	% AI	*	MEAN WIND SPEED
z	1.3	3.2	6.I	0.								7.1	7.5
N.		6.1	3.2									5.2	4.9
az.	9.	1.3										6.1	4.3
ENE	9.		9.									1.3	5.0
		1.9										6.1	4.7
ESE	1.3											1.3	3.0
SE	9.	3.2	2.6	2.0	53							10.3	9.1
SSE	9.	3.2	5.5	3.9	9.							5.61	0.6
s	2.0	8.4	6.5	0.								18.1	5.9
SSW	1.9	9.										2.6	3.8
SW	1.9	2.6										4.5	3.9
WSW		9.	• 6									1.3	7.0
*	1.9	4.5	• 0	3.2								10.3	7.4
WWW	1.3	1.3	9.	3.9								7.1	8.8
×	1.3	9.	2.6									4.5	6.1
NNN		9.	9.									1.3	0.0
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	7.7	
	16.1	34.2	25.2	14.8	6.1							100.0	4.4

-155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

9.3

MEAN WIND SPEED

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WWW N N

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VARBL

CALM

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3.5 8

7.1

12.9

7.2

7.7 0.6 7.7

SURFACE WINDS

100

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

1.1 HOURS (L.S.T.)

MAY

COMBITION

WELTHS

22 - 27

17 - 21

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SPEED (KNTS) DIR.

¥ ¥ %

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

23195 STATION

YUMA, ARIZONA

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

YUMA, ARIZONA

23195 STATION

WEATHER CLASS

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14 HOURS (L.S.T.)

MAY

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1. 3. E. 1.	9.	9.	٥.	9.						G KLOVEN		2.6
1.3										00,000,000		
1.3		1.3										1.3
1.3	5.1									1		1.9
1.3	9.	(f)	9.									2.6
1.3												
0. 2.			9*									1.9
9. 69	1.9	1.3	3,9	1.3								8.4
9. 8.	6.1	7.7	5.8	9.								16.1
1.3	••	7.7	1.9									11.0
1.3	3.9	4.5	2.0									11.0
	4.5	8.4	1.9									16.1
	3.2	0.6	1.9	1.3								15.5
9.	1.3	1.3	2,6									5.8
W	1.3	9.	0.									2.6
NNW	1.9	9.										2.6
VARBL												
CAUM	M	X	$\bigvee$	X	$\bigvee$	X	$\bigvee$	X	$\bigvee$	/ V	M	9.
3.9 23	23.9	44.5	23.2	3.9								100.0

DIRNAVOCEANMET SMOS

200

155

TOTAL NUMBER OF OBSERVATIONS

200

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

1.7 HOURS (L.S.T.) MAN 73-77 WEATHE. CONDITION YUMA, ARIZONA

SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	>55	*	MEAN WIND SPEED
z		1.3		9.								1.9	0.6
NNE		9.										9.	5.0
NE													
ENE		9.										9.	0.4
ESE	9.											9.	3.0
SE			9.		9.							1.3	13.0
SSE		9.		5.2	9.							6.5	13.7
8		6.1	11.0	5.2	6.1							20.0	10.6
SSW		1.3	3.9	1.3								6.5	8.2
SW	9.	4.5	8.4	1.9								15.5	7.7
WSW		3.9	12.3	1.3								17.4	7.7
*		2.6	9.7	3.9	1.3	9.						18.1	6.6
WNW		1.3	1.9	3.2	9.							7.1	11.3
N		1.3	9.	1.3								3.2	7.8
NNW			9.									9.	7.0
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	X	X	0.	
	1.3	20.0	49.0	23.9	5.2	Q						100.0	4.0

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155

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

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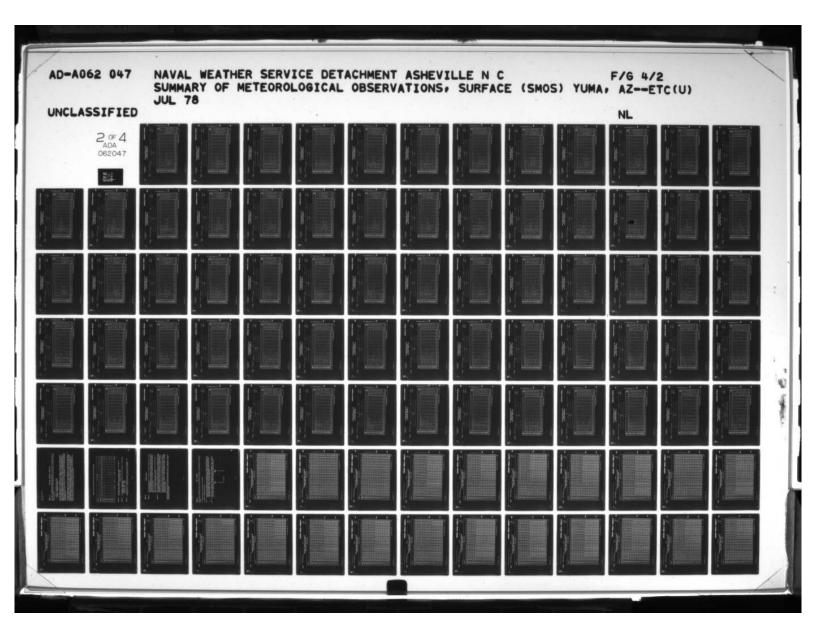
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Z	NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC	PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	SURFACE WIN
3195	23195 YUMA, ARIZONA	73-77	MAY
11A116H	STATION NAME	ALL WEATHER CLASS	NOW S CL
		CONDITION	

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

200

73-77

YUMA, ARIZUNA

23195 STATION

MEATHER CLASS

23 HOURS (L.S.T.)

FIAY MONTH

ESE  ESE  SSE  SSE  SSE  SSE  SSE  SSE
1.3 1.3 2.6 5.5 3.2 5.6 5.2 7.1 1.3 5.2 5.2 6.6 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0
5.2 6.5 3.2 1.3 3.9 1.9 5.2 6.6 5.2 6.6 9.0 3.9 1.9 2.5 1.3 6.10.3 7.7 1.3 6.10.3 7.7 1.3
1.3 3.9 1.9 5.2 .6 9.0 3.9 10.3 7.7 1.3 1.9 2.5 1.3
9.0 3.9 10.3 7.7 1.3 1.9 2.6 1.3
1.9 2.5 1.3

E

MURS (LS.T.)

МАУ

DIRECTION AND SPEED

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS)

YEARS

73-77

STATION NAME

YUMA, ARIZONA

23195 STATION

COMBITION

ALL WEATHE

													The same
(KNTS) DIR.	1.3	•	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41.0	48 - 55	% %	*	WIND
z	(7)	1.5	9.	6	.2							3.0	7.4
ZZ	.2	.5	5.	1.								1.2	5.7
¥	2.	8.	• 3	. 2								1.5	6.2
ENE	• 2	9.	•									9.	4.0
	• 2	1.5	• 2	2								2.1	5.6
ESE	9.	9.	• 2	• 1								1.5	5.5
SE	8.	1.2	1.7	1.4	4.							5.5	8.8
SSE	9.	2.2	4.3	3.5	9.							11.2	9.6
•	0.	5.5	0•9	3.1	4.							9.51	8.2
SSW	9.	2.7	2.8	9.								8.9	6.8
AS.	9.	6.4	2.5	9.								9.8	6.4
WSW	1.	0.4	4.6	0.	1.							6.6	6.8
*	<b>5</b> *	5.0	5.2	2.4	9.							13.7	8.4
WNW	5.	1.7	2.0	2.4								6.7	8.9
NW	4.	1.1	1.4	4,4								3.3	8.9
MNM		1.0	60									1.9	6.2
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	6.7	
	6.9	34.8	33.2	15.7	2.5							100.0	7.2

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SMOS DIRNAVOCEANMET

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0

RUN

1240

TOTAL NUMBER OF OBSERVATIONS

0.

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

YUMA, ARIZONA

MEATHER CLASS

0.2 HOURS (L.S.T.)

					•								
ENS PE	:	;	7 - 10	11 . 16	17 - 21	22 - 27	28 · 33	£ .	41 . 47	4 . 55	% %	*	MEAN WIND SPEED
z		1.3	4.									2.0	6.7
-		1.3	L.									2.0	0.9
7		7.										7.	5.0
			1.3									1.3	7.5
	.7	.7										1.3	0.4
ESE		.7	L.									1.3	6.0
*	7	3.3		5.5								7.3	8.4
386		5.3	6.3	3.3								18.0	8.3
•	2.7	12.0	0.4									18.7	5.6
SSW		3.3	.7									4.0	5.0
AS.	1.3	4.0										5.3	4.0
WSW	- 7	2.7	1.									4.0	5.2
*		5.3	3.3			7						9.3	7.6
WWW		1.	2.7	2.0								5.3	6.6
M	.7	1.3	2.0									4.0	6.8
NNW		.7										.7	5.0
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	14.7	
	6.7	43.3	26.0	8.7		7						0.001	x. x

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9811

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

	NUC	монти	000	NOURS (L.S.T.)	
DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)	73-77	YEARS	ALL MEATHER	CLASS	Compilion
	YUMA, ARIZUNA	STATION NAME			

23195 STATION

			9.	:	:	3	;	3	;		34	•	MEAN
:	-		?	:		7 . 7	3	}	•	3	8	R	SPEED
		2.7	2.0									4.7	6.6
		2.7	4.									3.3	5.0
		2.0										2.0	5.3
•	-	0.4										4.7	4.4
1.3	00	0.2	7.									4.0	4.7
•	1	7.2										3.3	3.8
		2.7	2.7	3 3								8.7	8.9
		4.0	10.7	2.7								17.3	8.3
103	3	13.3	2.0									16.7	5.0
1.3	3	1.3										2.7	3.8
•	1	2.0										2.7	3.8
•	1	2.0										2.7	4.0
1.3	in	2.0	1.3									4.7	5.1
•	1	1.3	E • T									3.3	5.8
			2.7	1.3								0.4	9.5
2.0	0	.7										2.7	3.3
X	1	$\bigvee$	$\bigvee$	X	X	X	X	$\bigvee$	$\bigvee$	X	$\bigvee$	12.7	
10.7	1	45.3	24.0	7.3								0.001	5.3

88

DIRNAVOCEANMET SMOS

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TOTAL NUMBER OF OBSERVATIONS

350

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

0.8 HOURS (L.S.T.) VEARS 73-77 ALL MEATHER CONDITION YUMA, ARIZUNA

SPEED (KNTS) DIR.	£:-	;	7 - 10	31	17 - 21	2.2	28 - 33	34 - 40	41.4	48 - 55	8		*
z	1.	6.7	2.7										10.0
NNE	. 7	2.0	1.3										4.0
¥	.7		2.7										3.3
		.7											7.
		1.3										7 9	2.0
ESE	.7	1.3											2.0
36		2.7	3.3	0.4	1.								10.7
SSE	.7	2.7	5.3	6.7	.7								16.0
8	1.3	5.7	6.7	1.3	1.								18.7
SSW			. 7										1.
SW	1.3	2.0											3.3
WSW	.7	2.0	. T.										3.3
*		2.7	2.0	7									5.3
WWW		.7	2.0	. 7									3.3
M	1.3	2.7	0.4										8.0
NNA	1.3			.7								_	2.0
VARBL												-	
CALM	$\bigvee$	X	$\bigvee$		6.7								
	6.3	34.0	33.3 14.7	14.7	2.0							-	0.001

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

23195

104

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

HOURS (L.S.T.)

CONDITION

MEATHER CLASS

							-						
SPEED (KNTS) DIR.	1.3	•••	7 . 10	11 - 16	17 . 21	22 · 27	28 - 33	34 - 40	41 . 47	48 - 55	8	*	MEAN WIND SPEED
z	1.	1.3	0.2	2.0	7.							6.7	10.0
NNE	.7	.7										1.3	3.5
Z		.7	0.2									2.7	8.3
ENE				7.								7.	14.0
		1.										1.3	10.0
ESE	1.	1.										1.3	4.5
38		1.3	1.3	2.0	1.							5.3	11.0
SSE	.7	0.9	E•1	2.0	.7							10.7	4.9
8	.7	7.3	0.41	0.4								26.0	8.1
SSW		4.0	5.3	.7								0.01	7.0
SW		3.3	2.7									0.9	6.3
WSW		2.7	3.3									0.9	7.2
*	1.3	2.7	0.8	2.0					7			14.0	4.6
WNW		1.3	1.3	1.3								0.4	8.7
NW		.7	L.									1.3	6.5
NNA		1.3	1.3									2.7	6.3
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	M	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	0.	
	4.7	34.7	43.3	15,3	2.0							100.0	8.0

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SMOS DIRNAVOCEANMET

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TOTAL NUMBER OF OBSERVATIONS

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23195

YUMA, ARIZONA

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 WEATHE. CONDITION

14 HOURS (L.S.T.)

					-	-							1
SPEED (KNTS) DIR.	<b>:</b> :	•	7 . 10	11 . 16	17 . 21	22 - 22	28 · 33	34 · 40	41 - 42	48 - 55	% AI	*	MEAN WIND SPEED
z		1.3	2.7	7								4.7	8.3
MNE			2.0									2.0	8.0
NE NE		1.	.7									1.3	6.5
ENE			. 7									۲.	8.0
f		.7										7.	0.9
ESE													
SE		2.7	.7	2.0								5.3	8.5
SSE		1.3	6.7	7.5	.7							13.3	7.0
•		2.0	7.3	5.3								14.7	6.6
SSW		3.3	4.0	1.3								8.7	7.9
SW		0.9	9.3	2.0								17.3	7.3
WSW		4.7	8.0	2.7								15.3	8.0
*		4.0	0.9	1.3								11.3	7.5
WWW			2.0									2.0	8.0
NW	.1											.7	3.0
NNW			2.0									2.0	8.0
VARSL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	0.	
	L.	26.7	54.0 18.0	18.0	7.							100.0	8.2

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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

23195

YUMA, ARIZONA

# SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

JUN	NOW IN	17	MOURE (L.S.T.)		
73-77		ALL MEATHER	61489	CONDITION	
YUMA, ARIZONA	STATION NAME				
YUMA					

SPEED (KNTS) DIR.	1.3	• •	7 . 10	11 - 16	17 - 21	22 - 27	28 - 33	34 . 46	41 - 47	8 . 55	% Al	×	MEAN WIND SPEED
z	1.	.7	7.	1.3								3.3	7.8
N.N.													
¥													
EN				7.								.7	15.0
-	. 7											.7	3.0
ESE													
35				33								2.0	11.7
SSE			2.0	3.3								5.3	11.1
	7.	2.7	6.3	0.9	.7							19.3	6.6
ASS		3.3	2.0	2.7								8.0	8.8
35		3.3	10.0	133	. 7							15.3	8.2
WSW	-	0.0	15.3									0.42	8.2
3		4.7	8.0									15.3	8 .1
WWW	1.	7.	.7	.7								2.7	7.0
*			2.0	lon.								2.7	8.5
NNN			1.									.7	10.0
VARBL													
CALM	X	X	X	$\bigvee$	0.								
	7.7	21.3	5.12	23 2	1.3							100.0	8.8

0

0

0

0

0

MB

DIRNAVOCEANMET SMOS

0

-

150

TOTAL NUMBER OF OBSERVATIONS

23195 STATION

H

200

TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

200

SURFACE WINDS

20 HOURS (L.S.T.) 73-77 ALL MEATHE CONDITION YUMA, ARIZONA

SPEED (KNTS) DIR.	:	:	7 - 10	11.16	17 - 21	12 - 17	28 - 33	34 . 40	41.47	48 - 55	8	*	
z			I. 33									1.3	7.5
N N													
¥													
ERE													
•				7.								4.	11.0
ESE		1.										L.	0.9
35				.7	cr)							2.0	17.0
SSE			2.0	3.3								6.3	11.1
•		1.3	10.7	4.7								16.7	4.6
SSW		1.3	5.3	2.7								6.3	9.6
SW		10.0	7.3	1.3								18.7	6.7
WSW		11.3	7.3	7.								6.61	4.9
*	1.3	8.7	3.3	0.4	1.3							18.7	8.3
WWW		2.	2.7	2.0								5.3	10.1
N		.7	. 7									1.3	6.5
MNN			1.									4.	8.0
VARBL													
CALM	$\bigvee$	0.											
		2, 1			6								٠

0

0

0

0

0

23195 STATION

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

YUMA, ARIZUNA

23195 STATION

ALL WEATHER

YEARS

23 HOURS (1.5.T.)

JUN

CONDITION

	-												
(KNTS)	::	• •	7 - 10	1 . 16	17 - 21	22 - 27	28 · 33	34 . 45	41 - 47	48 - 55	<b>9</b> Al	*	MEAN WIND SPEED
z		1.		.7								1.3	6.6
NNE													
N.													
F													
		.7	1.									1.3	6.5
ESE													
SE		7.	9.2									3.3	4.6
SSE		0.5	0.9	4.7								12.7	7.6
8		11,3	12.7	1.3								25.3	7.3
SSW	. 7	4.7	2.0									7.3	9.8
SW		5.3	2.0									7.3	5.5
WSW	2.0	2.0	4.0									8.0	6.5
*	. 7	5.3	6.7	6.0	.7							17.3	1.8
WNW		2.7	4.7	1.3								8.7	8.3
XX		.7	• 7									1.3	5.9
NNW	1.		1.									1.3	6.9
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	4.7	
	0.4	36.0	42.0	12.7	7.							100.0	7.3

1111

-

TOTAL NUMBER OF OBSERVATIONS

0

0

0

0

0

5702 SURFACE WINDS JAN 78

9888

1200

TOTAL NUMBER OF OBSERVATIONS

888

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

YUMA, ARIZUNA

23195 STATION

=

SURFACE WINDS

MEATHER CLASS ALL

YEARS

ALL HOURS (L.S.T.)

CONDITION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

SURFACE WINDS JAN 78

SURFACE WINDS

1111

02 HOURS (LS.T.)

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

73-77 WEATHE. STATION NAME

YUMA, ARIZONA

23195 STATION

CONDITION

YEARS

1.3												MEAN
	•	7 . 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% Al	. *	WIND
	9.										9.	0.8
		9.									9.	8.0
	2.6	6-1									4.5	6.7
	3.2	1.9	1.3								6.5	7.6
	4.5	5.8	0.6	1.9							21.3	10.7
	5.8	7.7	7.1	.3							21.9	9.8
	8.4	3.2	1.3								12.9	6.3
	7.7	1.3									0.6	5.2
	3.2										3.2	4.8
	1.9	9.									2.6	5.3
	5.2	9.									5.8	5.6
	9.										9.	0.9
		Ø									9.	8.0
9.	9.	9.									1.9	5.0
X	$\bigvee$	$\bigvee$	$\bigvee$	X	X	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	7.7	
9	44.5	25.2	18.7	3.2							100.0	4.7

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DIRNAVOCEANMET SMOS

0

155

TOTAL NUMBER OF OBSERVATIONS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

0.5 HOURS (L.S.T.) YEARS 73-77 COMBITION YUNA, ARIZUNA

SPEED (KNTS) DIR.	1.3	• •	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 . 46	41 . 43	48 - 55	% Al	*	WIND
z	1.3	2.6										3.0	8
NX.	9											9.	3
WZ.		1.9	1.3									3.2	5.8
ENE	9.		9.									1.3	5.0
3		9.	9.									1.3	5.5
ESE	9.	3.9	3.9									8.4	5.8
3.5	9.	5.2	12.3	1.1	1.3							26.5	9.6
SSE	1.9	3.9	7.1	1.1	2.6							23.2	8.6
\$		7.1	5.2	61								14.2	7.3
SSW		9.										9.	0.4
SW		2.6										2.6	4.5
WSW		1.3										1.3	5.0
*	9.	1.9										2.6	8.4
WWW		9.										9.	0.6
NW	0.	1.3	• 0									2.6	5.5
NNN		• 6										9.	0.4
VARBL													
CALM	$\bigvee$	6.5											
	1 4	26.7	31.6	N 41	2 0							0 000	1

0 0

0 0

DIRNAVOCEANMET SMOS

0

0

8000

TOTAL NUMBER OF OBSERVATIONS

23195

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ZUNA	75-77	100
STAT OR NAME	YEARS	HONTH
	ALL WESTHER	90
	class	HOURS (L.S.)
	COMBITION	

SPEED (KNTS) DIR.	÷	•	7.10	ş E	17 - 21	22 - 22	28 · 33	34 . 46	9.14	8 . 55	% Al	*	MEAN WIND SPEED
z		5.2	1.3									6.5	5.3
N	0.	9.										1.3	3.5
w X	9.	3.9	6.1									6.5	5.3
EN EN		1.9	9.									5.6	0.9
•	9.	2.6	1.9									5.2	9.5
ESE		1.3	1.3									2.6	8.9
*		2.6	5.5	12.9	1.3							6.15	11.4
SSE		2.6	11.0	11.0	1.9							26.5	11.0
•		5.2	5.8	2.6	1.3							14.8	8 . 8
SSW		1.9	1.3									3.2	0.9
NS.		1.3										1.3	5.5
WSW		1.3										1.3	6.0
*	9.	9.										1.3	3.5
WWW													
N	1.3	9.		9.								2.6	5.8
NNN		9.										9.	4.0
VARBL													
CALM	$\bigvee$	1.9											
	3.9	32.3	30.3	27 ,	4 8							100.0	9.6

118

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

YUMA

23195 STATION

368

1180

TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 NE ATHE

STATION NAME

YUMA, ARIZONA

HOURS (L.S.T.)

CONDITION

- 1		
100	1	
1.0		
	5	
	0.0	
1.5		
1		
	5	
100		
Teval		
100		
1000		

MEAN WIND SPEED	7.0	6.0			8.8	6.5	12.5	10.5	10.0	6.9	6.2	6.6	5.6	10.0					0.0
*	9.	9.			2.6	2.6	7.7	23.9	41.3	4.5	3.9	5.8	3.2	1.3				1.9	100.0
2 × ×																		X	
48 - 55																		X	
27 - 17																		$\bigvee$	
34 - 40																		$\bigvee$	
28 - 33																		$\bigvee$	
22 - 27																		$\bigvee$	
12 - 21							1.3	2.6										$\bigvee$	3.9
91 - 11							4.5	0.6	18.1					. 6				$\bigvee$	32.3
01 - 2	9.				1.3	1.3	1.3	5.8	16.8	9.2	1.3	3.2	1.3	• 6				$\bigvee$	36.1
9.7		9.			9.	1.3	9.	8.6	6.5	6.1	2.6	6.1	1.9					$\bigvee$	23.9
6.1					9.			9.				• 6						$\bigvee$	5
SPEED (KNTS) DIR.	z	NNE	¥	R	•	181	35	386	S	SSW	SW	WSW	*	WWW	MM	MNN	VARBL	CALM	

0

0

DIRNAVOCEANMET SMOS

E UBS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14 HOURS (L.S.T.) 73-77 MEATHER CLASS YUMA, ARIZONA

23195

SPEED (KNTS) DIR.	1.3	;	7 . 10	91 . 11	17 - 21	22 . 27	28 . 33	34 . 40	41 - 47	48 . 55	<b>%</b> Al		*
z	0												• 6
ZZ													
Z			9.										9.
ENE			9.	9.									1.3
•		1.3										-	3
<b>888</b>	0		1.3	9.								2	2.6
*		1.3	9•	9.	9.							3	3.2
SSE		1.9	3.9	6.5	9.							12	2.9
8		5.8	14.8	15.5	9.							36.8	8
SSW		• 6	5.5	• 6								9	6.5
AS.		9.2	8.4	9.								11.6	9.
WSW	9.	5.6	3.2									9	6.5
*	1.	3.2	3.9	9.								6	0.6
WWW		1.3	2.6	9								4	4.5
¥	9.	• 6	1.3									2	9.
NNN													
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$		0.
	3.9	21.3	46.5	26.5	6-1							100.0	C

0

2

DIRNAVOCEANMET SMOS

0

TOTAL NUMBER OF OBSERVATIONS

2

17 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

YUMA, ARIZUNA

23195 STATION

COMBITION

WEATHER CLASS

200

DIRNAVOCEANMET SMOS

0

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TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

20 HOURS (L.S.T.)

MEATHE

STATION NAME

YUMA, ARIZUNA

23195 STATION

0

COMBITION

SPEED 1 - 3 DIR.	•	7 - 10	91 - 11	17 - 21	2.2	28 · 33	34 . 40	4 - 4	48 . 55	<b>%</b>	*	
z												
NN.												
ž	3.				9.						-	.3
ENE												
			9.								•	9.
ESE	9.	9.									1	6
SE	9.	2.6	1.3								6.5	10
SSE		7.7	2.6	1.9							12.3	10
8	0	13.1	8.4								27.1	-
SSW		6.5	1.9								8.4	4
•	5 7.7	0.6	9								18.	-
WSW	9.0	3.2									12.3	(0)
*	7.7	2.0	9								11.0	0
WWW	••	9.	1.3								2.6	0
N.			• 0								9.	9
NNW												
VARBL												
CALM	$\langle \rangle$	$\bigvee$	0.	0								
	7 77 7											

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155

TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

-

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

23 HOURS (1.5.T.) MEATHER CLASS CONDITION

YEARS

73-77

STATION NAME

YUMA, ARIZUNA

23195 STATION

)

KNTS) DIE.	z	272	¥		*	ESE	*	388		SSW	SW	MSM	*	WWW	×	NNW	VARBL	CALM	-
::		9.																X	
• •		9.	1.3				9.	4.5	12.3	2.6	8.4	• 6	2.6					$\bigvee$	
7 - 10		9.	9.	9			4.5	0.6	19.4	2.6	1.9	1.9	2.6	1.9				$\bigvee$	
11 . 16							2	11.0	1.3									$\bigvee$	
17 . 21							9.											$\bigvee$	
22 . 27					. A													X	
28 . 33																		X	
34 . 46																		X	
41.47																		X	
48 . 55																		$\bigvee$	
% AI																		$\bigvee$	
×		1.9	1.9	9.	9.		0.6	24.5	32.9	5.2	10.3	2.6	5.2	6.1				3.2	
MEAN WIND SPEED		5.3	6.3	10.0	22.0		10.6	10.3	7.5	9.9	5.4	7.3	6.3	6.7					

100

DIRNAVOCEANMET SMOS

0

0

0

0

155

TOTAL NUMBER OF OBSERVATIONS

1001

1240

TOTAL NUMBER OF OBSERVATIONS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

YUMA, ARIZONA

23195

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

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SURFACE WINDS

YEARS 73-77 ALL WEATHER CONDITION

ALL HOURS (LS.T.)

													77577
(KNTS)	:-	• •	7 . 10	11 . 16	17 . 21	22 - 27	28 - 33	34 . 45	41.4	48 . 55	% AI	×	WIND
z	.2	1.0	• 2									1.5	6.4
NNE	-2	£.	• 1									9.	4.6
NE NE		1.0	9.									1.7	6.7
ENE		• 2	5.									.8	7.5
	.2	1.0	œ	.1		. 1						2.1	8.9
ESE	.2	1.3	1.3	2								3.0	6.9
SE	-	2.0	4•1	4.8	5.							11.9	10.5
SSE	.3	3.1	6.5	7.3	1.4							18.6	10.5
s		5.9	11.9	8.4	4.							26.5	9.2
SSW		6.1	3.2	. 7								0.9	8.2
SW	1.	0.4	3.5	W\ •								8 . 1	6.8
WSW	-2	2.7	3.5									6.5	8.9
*	.3	3.3	3∙0	.2								6.9	9.9
WWW		9.	8	.0								1.7	8.0
NW	(6)	.3	6.	. 2								1.1	6.4
NNN		.2	•									4.	4.6
VARBL													
CALM	$\bigvee$	$\bigvee$	X	X	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	2.7	
	2.4	2.4 28.8	40.3 22.9	22.9	2.7	.0.	7.					100.0	4.4

0

0

DIRNAVOCEANMET SMOS

200

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

0.2 HOURS (L.S.T.) 73-77 PIE THE STATION NAME YUMA, ARIZONA

SPEED (KNTS) DIR.	::	;	7 - 10	. : 4 5	17 - 21	22 - 27	28 . 33	34 - 40	41 - 47	48 - 55	95 VI	*	MEAN WIND SPEED
z	1.9	1.3										3.2	
NNE		1.3	9.									1.9	
¥		6.1										6.1	
ENE		9.	1.3									1.9	
		1.3			9.							1.9	
ESE		1.3	9.	1.3								3.2	
38		2.6	3.9	3.2								4.6	8.5
388		9.8	13.5	3.2	9.							25.8	
8	1.3	4.5	3.2	9.								6.7	
SSW		2.6										5.6	
SW	1.3	3.9										5.5	
WSW	9.	3.2	9.									4.5	
*		2.6	1.3	9.								4.5	
WWW		1.3	3.9	0								8.6	8.2
N		1.3	9.									6.1	5
NNW		2.6	9.									3.2	50
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	X	$\bigvee$	X	$\bigvee$	$\bigvee$	15.9	
	5.5	40.0	30.3	7.6	1.3							0.001	

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

23195 BTATION

4.0 3.7

3.9 2.6

3.9

MEAN WIND SPEED

\*

18

48 . 55

3.0

3.2

6.0

8.6

8.7

14.8 20.0 14.2

ROB

4.1 . 9

0.4

1.9

6.3 6.2

0.4

1.3

6.5

5.2

15.9

100.0

23.

34.2

15.5

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

E

SURFACE WINDS

73-77

STATION NAME

YUMA, ARIZONA

23195 STATION

WEATHE

HOURS (L.S.T.)

. 47 7 \$

7 - 10

4.6

1.3

0

2								
28 - 33								
22 - 22								
17 - 21						1.3		
11 . 16				4.5	7.1			

3 8.4 3.2

3.9 3.2

.0 ... 3.5 9.

SSW

.

0

0.

1.3

1.9

1.3

						$\wedge$	
						$\bigvee$	
						$\bigvee$	
1.3						$\bigvee$	1.3
			9.			$\bigvee$	12.3
	-			_			

1.0 1.0

.0

\*

WWW

9.

WSW

0

SK

3.9

0.

VARBL CALM

0

0

NNN

×

0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

0

5702 SURFACE WINDS JAN 78

NOURS (L.S.T.)

# SURFACE WINDS

1

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

WEATHE.

YEARS

73-77

YUMA, ARIZONA

SPEED (KNTS) DIR.	1.3	9.7	7 . 10	1.1	17 - 21	22 - 27	28 - 33	34 - 40	41.4	48 - 55	<b>95</b> AI	*	MEAN WIND SPEED
z	1.9	5.8	1.3									0.6	5.0
NNE		1.3	0.									1.9	6.3
ZE	9.	4.5	9.									5.8	5.3
ENE		9.										9.	0.4
		1.3	1.3									2.6	6.3
ESE	6.1	1.9	1.3	· to								5.8	5.4
38	9.	1.3	5.9	8.4	1.3							18.1	11.3
SSE	••	3.9	1.6	6.5	1.3							19.4	10.1
\$		3.9	5.2	1.3	1.3							11.6	9.1
SSW	1.3	1.3	9.									3.2	5.0
SW	• 0	1.3										1.9	4.3
WSW	9.	1.3	9.									2.6	5.0
*	5.1	1.3	1.3									4.5	5.1
WWW													
NN		1.3	9.									1.9	6.3
NNN	9.	9.	9.									1.9	5.0
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	X	$\bigvee$	$\bigvee$	X	X	$\bigvee$	0.6	
	11.0	31.6	27.7	16.8	9							100.0	7.3

0

9888

===

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0

0

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

YEARS ALL WEATHE

73-77

STATION NAME

YUMA, ARIZGNA

23195

)

NOURS (L.S.T.)

AUG

4.0 7.0 7.0 9.3 7.5 9.8 MEAN WIND SPEED 6.2 6.7 10.1 38.7 9.0 1.9 1.9 9. 5.8 14.2 5.8 3.9 2.6 1.3 6.1 1.9 0000 12 . 55 \$ 41 - 47 34 - 40 28 . 33 22 - 27 17 - 21 2.5 0. 11 . 16 2.6 3.0 10.1 23 3.5 7 - 10 • 1.0 3.5 4.5 5.6 5.6 1.3 1.7 0 5.4 0. 3.2 5.1 4.6 0 1.3 KNTS) WNW Z SSW WSW WSW ¥ × × CALM VARBL Z ESE EN EN SSE \* ø

0

0

0

0

1111

SMOS DIRNAVOCEANMET

0

400

155

TOTAL NUMBER OF OBSERVATIONS

### 1 4 NOURS (L.S.T.)

2

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

YEARS 73-77 ALL WEATHE

STATION MAME

YUMA, ARIZUNA

CONDITION

7.8 3.0 8.0 5.9 10.01 8.4 5.7 9.5 7.3 3 7.8 MEAN WIND SPEED 1.3 2.6 1.9 4.5 12.3 12.9 16.8 7.1 22.6 3.2 11.6 0 100.0 12 48 - 55 41 - 47 34 - 40 28 . 33 22 . 27 5 17 - 21 11 . 16 0. 0.6 4.5 . S. 3.9 7.6 50.3 7 - 10 3.9 9.7 9. 6.5 1.3 3.5 27.1 4.6 1.3 WWW WSW WSW NNN VARBL CALM ZZZZ SSW SS SS SS -• \*

3640

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

23195 STATION

### 

17 NOURS (L.S.T.)

AUG

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

YUMA, ARIZONA

23195 STATION

WEATHER CLASS

1.3 14.2 6.5 1.9 5.2 1.3 3.9 11.6 2.6 12.9 5.8 5.8 12.3 1.9	SPEED (KNTS)	1.3	4.6	7 - 10	11 - 16	12 - 21	22 - 27	28 - 33	34 - 40	27 - 17	48 - 55	95 Z	*	MEAN
1.3 14.2 6.5 1.9 5.2 1.3 3.9 11.6 5.2 2.6 12.9 5.5 1.3 1.9 2.5 1.3 1.9 2.5 1.4 60.6 20.0	DIR.													SPEED
3.2 4.5 1.3 14.2 6.5 1.9 5.2 1.3 2.6 12.9 5.8 5.8 12.3 1.9 1.3 1.3 1.0 5.0 5.0	z													
3.2 4.5 1.3 14.2 6.5 1.9 5.2 1.3 2.6 12.9 5.5 5.8 12.3 1.9 1.3 1.9	N N													
3.2 4.5 1.3 14.2 6.5 1.9 5.2 1.3 3.9 11.6 2.6 12.9 5.8 5.8 12.3 1.9 1.3 1.9	NE													
3.2 4.5 1.3 14.2 6.5 1.9 5.2 1.3 2.6 12.9 5.8 5.8 12.3 1.9 1.3 1.9	ENE													
3.2 4.5 1.3 14.2 6.5 1.9 5.2 1.3 3.9 11.6 5.5 5.6 12.9 5.5 5.8 12.3 1.9														
1.3 14.2 6.5 1.9 5.2 1.3 3.9 11.6 2.6 2.6 12.9 5.8 5.8 12.3 1.9 1.3 1.3 2.6 1.3 2.6 20.0	ESE													
3.2 4.5 1.3 14.2 6.5 3.9 11.6 2.6 12.9 5.8 5.8 12.3 1.9 1.3 1.3 .6	SE													
1.9 5.2 1.3 3.9 11.6 2.6 12.9 5.8 5.8 12.3 1.9 6.6 1.3 1.3 1.3 1.3 1.9	SSE			3.2	4								1.7	11.8
1.9 5.2 1.3 3.9 11.6 2.6 12.9 5.8 1.3 1.9 2.6 12.3 1.9	8		1.3	14.2	6.9								21.9	7.6
3.9 11.6 2.6 12.9 5.8 1.3 1.9 2.6 12.9 5.8 2.7 1.9	SSW		1.9	5.2	1.3								8.4	8.1
2.6 12.9 5.8 5.8 12.3 1.9 1.3 1.9 2	SW		3.9										15.5	7.4
5.8 12.3 1.9 1.3 1.3 .6 .6 .6 20.0	WSW		2.6	12.9									21.3	9.1
1.3 1.5 1.6 1.7 1.4 60.6 20.0	*		5.8	12.3									20.0	7.9
.6 1.36	WNW		1.3										1.3	4.5
17.4 60.6 20.0	NW			1.3									1.3	7.0
17.4 60.6 20.0	NNW		9.										9.	5.0
17.4 60.6 20.0	VARBL													
0.05 50.0	CALM	$\bigvee$	1.9											
			17.4		20.0								100.0	8.6

0

0

0

0

2

0

0

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155

TOTAL NUMBER OF OBSERVATIONS

20 HOURS (L.S.T.)

2

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NG

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 MEATHE CONDITION CLASS STATION NAME

888

DIRNAVOCEANMET SMOS

3

155

TOTAL NUMBER OF OBSERVATIONS

Ha

YUMA, ARIZONA

23195 STATION

ann.

155

TOTAL NUMBER OF OBSERVATIONS

0

0

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

3

SURFACE WINDS

WEATHER CLASS

YEARS

73-77

YUMA, ARIZONA

23195

23 HOURS (L.S.T.)

SPEED (KNTS) DIR.	:	• •	7 - 10	91 . 11	17 - 21	2.22	28 - 33	34 . 46	4 . 4	48 - 55	*	×	
z		9.										9.	
Z													
¥		0.	1.3	1.3								3.2	
ENE		9.	V									9.	
	9											9.	
ESE				9.								9.	
SE		1.3	7.1	2.6	9.							11.6	
SSE		4.5	7.1	1.3	9.							13.5	
s	1.3	0.6	7.7	1.3								7.61	
SSW	9.	7.1	2.6									10.3	
SW		5.2	3.9									0.6	
WSW		3.2	5.2									8.4	
*		4.5	7.7	1.9								14.2	
WWW		1.9	9.	1.3								3.9	
×				9.								9.	
NNN		9.										9.	
VARBL													
CALM	$\bigvee$	9.5											
	2.6	39.4	43.2	11.0	6.1							100.0	

198

1240

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MEATHE. COMBITION

YEARS

73-77

STATION NAME

YUMA, ARIZONA

ALL HOURS (LS.T.)

SPEED (KNTS) DIR.	1.3	••	7 . 10	11 . 16	17 - 21	2 · 27	28 - 33	2. 3.	41 . 47	4 . 55	8	*	MEAN WIND SPEED
z	1	1.8	.03	· i	.1							3.6	5.5
NN.	.2	9.	• 2	. 1								1.1	5.6
W.	4.	1.2	•2	.2								2.1	F. B
ENE	1	4.	4.	.2									6.9
E	• 3	6	• 2		7:							1.6	5.7
ESE	• 0	9.	10	6								1.9	6.2
38	.3	5.1	3.5	2.6	161							8	9.6
SSE	.2	3.1	6.3	٥٠,	.7							14.4	0.3
•	• 6	6.4	9.1	4.4	.7							19.8	8.8
SSW	4.	3.5	2.3	.7								6.9	5.8
SW	•6	3.5	4.4									8.5	4.9
WSW	• 2	3.7	4.4	O'								9.2	7.1
*	• 6	3.8	5.6	1.0								11.0	7.4
WWW	• 3	1.2	9.	9.	.1							3.0	7.4
K	.2	1.1	4.									1.8	5.7
NNW	• 1	.7	2.									1.0	5.0
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	X	X	$\bigvee$	X	X	X	5.4	
	5.9	32.6	38.9	15.2	2.0							100.0	7.4

DIRNAVOCEANMET SMOS

0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 WEATHER CLASS

STATION NAME

YUMA, ARIZUNA

23195

COMBITION

VEARS

D2 HOURS (L.S.T.)

10.0 11.3 8.8 6.4 4.8 4.4 MEAN WIND SPEED 3.0 2.7 4.0 14.7 13.3 333 2.7 19.3 1.3 100.0 3 48 . 55 . = 34 - 40 28 . 33 22 . 27 17 - 21 0.0 11 . 16 1.3 2.7 . . 1.3 7 - 10 . . 4.0 21.3 4.0 . 38.7 4.7 1.3 7.3 10.0 2.7 1.3 3.3 4.0 1.3 2.0 .. WNW SPEED (KNTS) DIR. NINW YARBL WSW CALM z | # # # SSW NS. s \*

0

0

0

0

0

0

0

0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

200

SEP

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NOURS (L.S.T.) YEARS 73-77 ALL MEATHER YUMA, ARIZONA

SPEED (KNTS) DIE.	:	;	7.10	1 . 16	17 - 21	n · n	28 - 33	34 - 40	41 - 47	48 - 55	95 41	*	MEAN WIND SPEED
z	2.0	5.3	3.3	7.								11.3	20
MM	7.	2.7	2.7	1.								6.7	4.4
Z	1.3	4.7	2.0								7	8	N N
ENE		3.3	2.0	7								0.9	6.7
	7.	2.0	7.	.7								4.0	4
ESE		2.7	1.3									4.0	2.3
*	1.	0.4	7.4	5.3	7.							15.2	0.2
386	.7	1.3	4.7	7.								2.3	1 3
•	2.7	7.3	1.3									11.3	6.7
SSW		1.3										1.3	4.5
*S	2.0	1.										2.7	2.3
WSW													
*		1										7.	6.0
WWW		7.	2.0									7.7	4.8
N.	1.	2.0										7.7	8 7
NNA				7.								7	11.0
VARBL													2
CALM	$\bigvee$	$\bigvee$		X	X	X	X	X	X	X	X	15.3	
	11.3	38.7	26.7	0	7								

1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

23195 STATION

H

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

	SEP	MONTH	90	HOURS (L.S.T.)	
(FROM HOURLY OBSERVATIONS)	73-77	YEARS	ALL WEATHER	C1488	CONDITION
(FI	YUMA, ARIZUNA	STATION NAME			

23195

()

0

0

0 0

(KNTS)	:	:	7 . 10	<b>9</b> ::	12 · 21	22 - 27	28 - 33	2. 8	41.0	\$ . 55	*		*
z	1.3	6.7	6.7	7.									15.3
NNE		7.3	6.7	.7									12.7
N.		0.9	2.0									_	8.0
ENE	2.0	2.0	2.0		.7							_	6.7
ı	.7	2.0	2.0	.7									5.3
ESE	r.	2.0	1.										3.3
SE			2.7	6.7	1.3								10.7
SSE		.7	1.3	2.7									4.7
s	1.3	3.3	2.0										6.7
SSW		.7											
SW		.7											.7
WSW		.7	.7										1.3
*			. 7										1.3
WWW		1.3		. 7									2.0
X	2.0	2.7	. 7										5.3
NNN	1.3	1.3											2.7
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$		12.7
	10.0	37.3	26.0	12.0	2.0							-	0.001

200

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NOURS (L.S.T.) 73-77 WEATHER CLASS STATION MAME YUMA, ARIZONA

NH	SPEED (KNTS) DIR.	::	;	7 - 10	91 . 11	17.21	22 - 22	28 - 33	34.46	4.4	4 . 55	<b>8</b> 5 Al	*	WIND
2.0 1.3 2.7 2.0 2.7 2.0 2.7 2.0 2.7 2.0 2.7 2.0 2.0 2.0 2.0 2.7 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	z	. 7	2.7	2.7	1.3								7.3	7.6
3.3 4.0 1.3 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	NNE	.7	1.3	2.7									4.7	7.4
2.0 2.7	N.		3.3	٠٠,	1.8								8.1	7.5
2.0 2.0 2.7 7.3 3.3 4.0 7.7 7.3 11.3 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	ENE		1.		2.7								3.3	11.2
2.0 1.3 1.3 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7			1.	2.0									5.3	10.5
2.0 1.3 3.7 7.1 11.8 9.7 7.8 11.8 9.7 7.8 11.8 9.2 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	ESE	7.	1.3	7.									7.6	6. 5
2.0 1.3 3.3 4.0 .7 7 2.0 1.3 3.3 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	SE		3.3	1.3	1.3	7.			7.				7.3	11.5
2.0 2.0 1.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3	SSE	2.0	1.3	3.3	0.4	.7							11.3	0.5
2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	8	2.	9.3	7.3	3.3									7.5
2.0 2.0 2.0 34.7 34.7 18.0 1.3	SSW		2.0	1.3										8.6
1.3	SW	2.0	2.0	2.0									6.0	5.2
34.7 34.7 18.0 1.3	WSW		1.3		7								2.0	7.7
8.0 34.7 34.7 18.0 1.3	*		4.0	0.4	7.								8.7	
8.0 34.7 34.7 18.0 1.3	WNW	. 7	7.	. 7									2.0	6.0
8.0 34.7 34.7 18.0 1.3	NW	7	1.	E - T									2.7	8.4
8.0 34.7 34.7 18.0 1.3	NNW			1.3									1.3	
8.0 34.7 34.7 18.0 1.3	VARBL													
34.7 34.7	CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	X	$\bigvee$	X		
		8.0	34.7	34.7	18.0	1.3			1				100.0	į

0

DIRNAVOCEANMET SMOS

0

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TOTAL NUMBER OF OBSERVATIONS

23195 STATION

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14 HOURS (LS.T.) SEP 73-77 MEATHE COMBITION YUMA, ARIZUNA

23195 STATION

0

0

SPEED													MEAN
(KNTS)	1.3	• • •	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41.4	48 . 55	% Al	*	WIND
z	4.	1.3	2.0	1.3	.7							0.0	8.4
NA.		1.3	.7	.7								2.7	7.5
¥			2.0	7.								2.7	10.5
ENE			1.	P								1.3	10.0
3	. J	2.0	.7	. 7								4.0	0.9
ESE		1.		7.								1.3	0.6
SE		4.0	2.0	. 7								6.7	6.6
SSE		4.0	0.4	1.3	. 7							10.0	8.1
8	2.7	4.0	11.3	2.7			1.					21.3	8.6
SSW		1.3	2.0	7								0.4	8.5
SW		8.0	5.3									14.0	6.2
WSW	.7	2.0	8.0	. 7								11.3	7.4
*	1.	5.3	2.7	1.3								10.0	6.8
WWW		1.										7.	5.0
N	.7	1.3	n.	1.								4.0	6.8
NNN													
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	X	X	0.	
	6.7	36.0	42.7	12.7	1.3		.7.					100.0	7.6

0

150

TOTAL NUMBER OF OBSERVATIONS

E

17 HOURS (L.S.T.)

SEP

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 MEA THER

-													-
ENTS) DIR.	1:3	•	7 - 10	1 . 16	17 . 21	22 · 27	28 · 33	8 . 4	41 - 42	4 . 55	<b>8</b>	×	WIND
z		2.0	1.3	3,3								6.7	10.5
NNE	. 7	7.	2.0									3.3	6.8
N.		1.3	1.3	7								3.3	8.8
ENE				1,3	. 7							2.0	15.0
		1.3										1.3	5.5
ESE													
38	7			1.3								2.0	7.6
SSE		1.3	3.3									4.7	7.9
\$		3.3	8.7	5.3	1.3							18.7	10.1
SSW		1.3	2.7	7.								4.7	7.4
SW	1.3	2.0	8.0	7								12.0	7.1
WSW		8.0	10.7									18.7	7.0
*		7.3	9.3	7								17.3	7.2
WWW		. 7	1.3									2.0	0.9
MM		1.3	.7									2.0	7.0
NNN		7.										1.	5.0
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	1.	
	2.7	31.3	49.3	14.0	2.0							0.001	8.1

1

DIRNAVOCEANMET SMOS

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

YUMA, ARIZONA

23195 station

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

YUMA, ARIZONA

23195

73-77

ALL WEATHER

20 HOURS (L.S.T.)

COMBITION

6.5 5.5 7.2 6.5 3.5 13.0 MEAN WIND SPEED 7.1 0.9 11.5 7.7 12.7 1.3 2.0 0.4 14.0 17.3 1.3 4.0 4.0 2.7 13.3 100.0 17.3 6.7 4.7 \* 128 48 - 55 41 . 47 34 - 40 28 - 33 22 - 27 17 - 21 30.7 10.7 11 - 16 7.7 0.7 8.3 7.7 2 . 7 0.9 7 . 10 . . ... 5.1 0.94 2.0 10.0 8.7 2.7 . 0. 2.7 4.6 1.3 1.3 1.3 1.3 NA W SPEED (KNTS) DIR. SSW wsw wsw NN VARBL CALM Z Z Z 32 22 32 z 8

MOH

TRUB

150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0

0

0 0

### SURFACE WINDS

288

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

23195

(FROM HOURLY OBSERVATIONS)

SEP	момти	23	HOURS (L.S.T.)	
	YEARS			
73-77		ALL WEATHER	CLASS	CONDITION
CUMA, ARIZONA	STATION NAME			
YUMA				

SENSO SENSO	:	;	7 . 10	3	17 - 21	n · n	28 · 33	3 6	41 . 47	4 - 55	% %		*
z		3.3	.7	.7								-	4.7
		1.3											1.3
¥		7.	1.										1.3
3N3		1.	1.3										2.0
3			E . 1	7.		1							2.7
353		1.3											1.3
35		2.0	2.0	0.4									8.0
355		2.0	8.7	2.7	.7							1	14.0
8	4.	8.0	1.9	1.3								7	16.7
ASS	1.	3.3	L.									,	4.7
SW		5.7	2.0										8.7
MSM		4.0	7.2										6.7
*	.7	2.7	2.0	.7									0.9
MMM	.7	0.9	1.3		7.								8.7
WW		1.3		.7									2.0
MNN		1.3											1.3
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	X	$\bigvee$	M	$\bigvee$	$\bigvee$	7	0.01
	2.7	44.7	7.01 0.05	10.7	1.3							100	0.001

0 0 0 0

0

999

3116

150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

MEAN WIND SPEED

9.9

0.3 8.8

8.8

5702 SURFACE WINDS JAN 78

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

YUMA, ARIZONA

23195

1

ALL HOURS (L.S.T.)

SEP

NEATHER CLASS

17 . 21

11 . 16

7.10

1.3

5.7 3.4 8.8 3.0 4.9 3.6 6.8 8.0 3.3 7.6 8.2 100.0 2.1 15.7 12 . 55 4 41 - 47 34 - 40 28 . 33 22 - 27

> \$ N.

3.3

2.2

1.1

25 SE

•

4.0

2.5

0.9 7.7

2.9

1.4

28 2

0

1.8

2.

SSW

WSW

0

\*

\*

.

9.7

Z Z Z

2.5

7.5

7.0 -

3.

9.7

WNW N N VARBL CALM

0

7.

38.4

1888

9.9

6.8

6.7

5.8

5.8

4.9

7.3

2 2 3

1200

TOTAL NUMBER OF OBSERVATIONS

=

OC T

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0.2 HOURS (L.S.T.) 73-77 MEATHE CLASS YUMA, ARIZUNA

(KNTS)	1.3	•••	7 - 10	1 . 16	17 . 21	22 - 22	28 - 33	34 - 40	41.47	48 - 55	VI 85		*
DIR.													
z	9.	3.9	2.€										7.7
NNE	1.9	9.	1.3										3.9
NE	1.3	6.1											3.2
ENE		3.2	1.3										4.5
E	9.	2.6	9.										3.9
ESE		3.2	1.3	ာ•									5.2
SE	1.3	9.	1.3	9.									3.9
SSE		8.8	2.6										8.4
	• 6	4.5	9.										5.8
SSW	9.	1.3											1.9
NS.		1.3											1.3
WSW	9.	1.9	1.9	9.									
*	9.	2.6	1.3	94	9.								5.8
WNW		1.3	6.1										3.2
X	9.	2.6	1.3									=	4.5
NNN	9.	9.	1.9	ġ.	9.								4.5
VARBL												=	
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	X	X	X	X	X	$\mathbb{X}$		27.1
	7.6	13.1	20.6	2.0	-							-	0001

0

1492

DIRNAVOCEANMET SMOS

0

808

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NOURS (L.S.T.) YEARS 73-77 WEATHER CLASS COMDITION STATION NAME YUMA, ARIZONA

23195

OC T

z		9:+	7 . 10	11 . 16	17 - 21	22 - 27	28 · 33	34 · 40	41 - 47	48 - 55	<b>%</b>	*	MEAN WIND SPEED
	6.1	13.5	4.5	9.								20.6	5.7
Z	6.1	6.3	1.3									12.9	5.0
¥	1.3	3.9	9.									5.8	4.8
E E	1.3	2.6										3.9	4.2
-	3.2	6.1										5.2	3.5
ESE	9.		9.									1.3	5.5
SE	9.	9.	1.3	1.3								3.9	8.8
SSE	9.		6-1									2.6	8.9
s	6.1	3.2										5.2	4.4
SSW	9.	9.										1.3	0.4
SW		9.										9.	0 * 9
WSW	1.3	9.										1.9	€.€
*	1.3	• 6	1.3	• 6								3.9	€.9
WNW		3.9	1.3	9.								5.8	9.9
¥		1.3										1.3	0.5
NNN		2.6	1.3	9.								4.5	7.0
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	19.4	
	16.8	8.5%	14.2	3.9							1	100.0	7 7

DIRNAVOCEANMET SMOS

0

0

155

TOTAL NUMBER OF OBSERVATIONS

### 5702 SURFACE WINDS JAN 78

SURFACE WINDS

2

0.8 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF WIND

YEARS DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 73-77 STATION NAME YUMA, ARIZONA NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

WEATHER CLASS

CONDITION

7.10 11.14 17.21 22.27 28.33 34.40 41.47 48.55 12.3 1.3	11.15 17.21 22.27 28.33 34.40 41.47	11.16 17.21 22.27 28.33 34.40 41.47 48.55
22 - 27 28 - 33 34 - 40 41 - 47	22 . 27 28 . 33 34 . 40 41 . 47 48 . 55	22 · 27 28 · 33 34 · 40 41 · 47 48 · 55 ≥ 56
28 - 33 34 - 40 41 - 47	28 - 33 34 - 40 41 - 47 48 - 55	28 · 33 34 · 40 41 · 47 48 · 55 E S6
34 . 40 41 . 47	34.40 41.47 48.55	34 · 40 41 · 47 48 · 55 ≥ 56
	8 .	25 - 84 N N N N N N N N N N N N N N N N N N
8.		36 AI
	35 AI	

986

DIRNAVOCEANMET SMOS

=

155

TOTAL NUMBER OF OBSERVATIONS

23195 STATION

S S

### SURFACE WINDS

Î

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

130			MOURS (L.S.T.)	
73-77	YEAR	ALL WEATHER	CIASS	CONDITION
YUMA, ARIZONA	STATION NAME			

SPEED (KNTS) DIR.	::	•	7 - 10	11 . 16	17 . 21	2.2	28 · 33	34 . 46	41.4	8 - 55	<b>%</b>		*
z		3.9	8.4	4.5	1.3	9						18.	1
NNE	9.	3.2	5.8	2.6								12.	3
NE		5.8	6.5	3.9								16.	-
ENE	9.	9.	ۥ1	9.								3.	6.
3		3.2	2.6	2.6								8.4	4
ESE	9.	••										1.	~
SE	1.3	2.6	6 1									5	8
SSE		9.	1.3	2.6								4.5	L/
•	9.	9.7	4.5	1.9								.6	1
SSW	9.	• 6	9.									1.	0
SW		• 6										•	9.
WSW	0.	1.3										1.9	6
*			3.9	1.9								5.8	8
WWW			9.	1.9	1.3							3.9	6
M			1.9									1.9	0
NNN	9.	6.1		9.								6	2
VARBL													
CALM	$\bigvee$	X	$\bigvee$	•	9								
	5.8	7.70	39.4	23 5	2.6							0 000	0

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 4 HOURS (1.5.T.) YEARS 73-77 SEATHER CLASS CONDITION STATION NAME YUMA, ARIZONA

SPEED (KNTS) DIR.	:	:	7 - 10	N . 16	17 . 21	22 . 27	28 . 33	34 - 46	4.4	\$ . 55		X AI	
z		6.5	4.5	3.2	1.3								15.5
NNE		2.6	6•1		• 6								5.2
NE	9.	2.6	3.0										7.1
ENE		1.9	9.2	6 1									6.5
1		2.6	9.	1.3									6.5
ESE		9.											9.
38		1.3	2.0		9.								4.5
SSE		1.9		9.									2.6
8	9.	3.9	5.8	3.2	9.								14.2
SSW	9.	1.3	1.3										3.2
SW	9.	9.	3.2										4.5
WSW	1.3	2.6	3.2										7.1
*	1.9	1.9	3.2	3,2									10.3
WWW		• 6	1.3	1.9		. 6					-		4.5
NW		0.	1.3	1.3									3.2
NNW	9.	1.3	2.6	9.							_		5.2
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$		X	1.3
	6.5	6.5 32.9	38.1	17.4	3.2	4							100.0

DIRNAVOCEANMET SMOS

0

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155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

188

UNITED IN

155

TOTAL NUMBER OF OBSERVATIONS

14.

30.3

44.5

6.5

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

282

SURFACE WINDS

MEATHE

17 HOURS (1.S.T.)

YEARS

73-77

YUMA, ARIZONA

23195

CONDITION

11 - 16

7 - 10

4.0

- 3

SPEED (KNTS) DIR.

8.4

5.0

3.2 2.6 11.0

.

WSW WSW

SSW

.

1.7

4.5

6.

WNW

\*

N N

1.3

VARBL CALM

1.3

SURFACE WINDS JAN 78

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

YUMA, ARIZONA

23195

VEARS 73-77 KEATHER CLASS

NOURS (LS.T.)

SPEED (KNTS) DIR.	:	:	7 - 10	91 - 11	17 . 21	22 - 27	28 . 33	34 - 40	27 - 17	48 - 55	% AI	×	WEAN WIND SPEED
z	1.9	1.9	E-1									5.2	5.5
NN		1.3	9.									1.9	5.3
SE SE			8.1									1.3	7.5
ENE		3.2		9.								3.9	6.2
		9.	9.									1.3	0.9
ESE	0.		9.									1.3	5.0
38		9.	9.	2.6								3.9	10.3
386			1.9									1.9	0.6
8	9.	9.	3.2	9.								5.2	7.6
SSW		6.1	6.1									3.2	6.2
SW	1.3	11.0										12.3	4.6
WSW	9.	3.9	• 0									5.2	5.1
*	••	14.2	3.9	1.9								9.02	4.9
WWW		3.9	• 6	1.3								8.5	7.1
¥	1.3	5.8		9.								7.7	5.3
NNW		1.3	2.6	o.								5.4	7.0
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	14.8	
	7.1	80.3	70.01	H A								0 000	6 3

9116

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155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0.6

5.3

MEAN WIND SPEED

6.5

5.3

7.5

9.1

4.3

8 . 4

5.1

3.9

8.6

7 . 4

155

TOTAL NUMBER OF OBSERVATIONS

12.9

CALM

VARBL

.0

0

0

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YUMA, ARIZONA

23195

0

YEARS

MEATHE

23 HOURS (1.8.T.)

3.9 5.8 3.9 4.5 6.5 7.7 3.2 5.8 13.5 11.0 100.0 \* 8 48 . 55 41 - 47 37.5 28 . 33 22 - 27 17 - 21 3.2 0. 11 . 16 0 6.4 • . . ... 7 . 10 18.1 2.5 1.9 5.6 6.1 2.6 4.5 .3 3.0 3.2 1.3 ..

> 5.0 1 . 3

\*

0

SSW

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2 2 3

WSW

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WWW

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SENTS OF

Z

DIRNAVOCEANMET SMOS

0

0

5702 SURFACE WINDS JAN 78

SURFACE WINDS

I

ALL HOURS (LS.T.)

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77

YUMA, ARIZONA

23195

MEATHER CLASS

COMBITION

NNE9 WE9 W	0.9	2	-	7 . /	22 - 27	28 - 33	34 . 45	41 - 47	48 . 55	25		MIND
	0.9											SPEED
	2.8	9.6	1.7	.3	. 1						15.1	7.3
		2.7	9.								7.0	6.9
	3.5	153	37								8.9	6.5
	1.9	1.0	4, •								3.9	6.2
	2.0	6.	10	7.							4.3	6.5
+	6.	4.	.1								1.7	5.5
	1.5	1.3	1.0	7.							4.4	7.9
	7.6	3.1	0.	.,							4.2	7.6
s .7	3.5	5.4	1.0	.2							7.9	7.2
SSW . *	1.6	9.									2.7	5.4
9. WS	3.1	4.									4.2	4.7
	3.1	1.3	• 1								5.3	5.5
w 1.1	4.0	7.2	2.0	.2							10.1	7.6
www .2	1.7	1.0	1.0	2.							4.2	8.6
ww .2	1.9	6.	177								3.3	6.3
NNW . 3	1.4	1.4	9.								3.8	7.5
VARBL												
CALM	$\bigvee$	X	X	X	X	$\bigvee$	X	X	X	$\bigvee$	11.2	
9.7	40.5	26.6 10	10.4	1.5							100.0	4.1

100

1240

TOTAL NUMBER OF OBSERVATIONS

0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

### SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

23195

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0.2 HOURS (L.S.T.) NOV 73-77 WEATHER CLASS COMDITION ALL STATION NAME YUMA, ARIZUNA

(KNTS) DIR.	÷:	;	7 - 10	91 - 11	17 - 21	22 - 27	28 . 33	34 . 45	41.4	4 . 55	8	×	MEAN WIND SPEED
z	2.7	17.3	0.9	1.3								27.3	6.0
NNE	1.3	5.3	1.3									8.0	8.4
Z.	1.3	4.7										0.9	4.2
ENE	1.	2.7										3.3	4.4
	4.	2.7										3.3	4.4
ESE		.7										1.	4.0
38			1.3									1.3	8.0
SSE		.7	1.3									2.0	6.7
8	.7	2.7										3.3	4.0
SSW	. 7	.7										1.3	4.5
SW		.7		7								1.3	10.0
WSW		. 7	. 7									1.3	6.0
*		1.3	.7	1.3								0.4	8.0
WNW		.7	1.3	.7								2.7	0.6
¥		2.0	1.3	1.3	.7							5.3	9.6
NNN	2.0	1.3	1.3	1.3	7.							6.7	7.9
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	22.0	
	10.7	0.44	15.3	6.7	1.3							0.001	8.4

=

150

TOTAL NUMBER OF OBSERVATIONS

150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

ADN	MONTH	0.5	HOURS (L.S.T.)	
	YEARS			
73-77		ALL MEATHER	CLASS	CONDITION
MA, ARIZONA	STATION MAME			

DIR.	:	• •	7 . 10	91 - 11	17 - 21	22 - 27	28 - 33	34 . 46	41.47	48 . 55	% Al	×	WEAN WIND SPEED
z	4.7	18.7	10.7	7.	7.							35.3	5.9
ZZ	3.3	8.0	5.3									16.7	5.5
NE	2.0	4.0	1.									6.7	6.3
ENE	1.3	2.7										0.9	4.5
3		7.										1	0.7
ESE	7	7.										1.3	0.4
35			7									1	0
38													200
	. 7	570	.7									7.7	8.7
SSW													
SW													
WSW	7.	1.3		. 7								7.7	5.8
*	1.3	3.3	6	1								0.9	6.5
WWW			7.	1.3								2.0	10.3
×		7.2										7.7	4.5
NNW	7.	0.5	2.7	.7.								0.9	7.3
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	12.7	
	15.3	6.54	22.0	0.4	7.							0.001	K. O.

0

DIRNAVOCEANMET SMOS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

23195 aranes

TOTAL NUMBER OF OBSERVATIONS

100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

	PON X	MONTH	, 08	NOURS (L.S.T.)	
(FROM HOURLY OBSERVATIONS)	75-27	YEARS	ALL WEATHER	CLASS	CONDITION
	YUMA, ARIZONA	STATION NAME			

SPEED (KNTS) DIR.	1.3	• •	7 - 10	11 - 16	17 . 21	22 - 27	28 - 33	34 - 46	41.47	48 - 55	**	*	MEAN WIND SPEED
z	2.7	15.3	17.3	5.3	.7							41.3	7.5
NNE	2.0	7.3	7.3	1.3								18.0	6.8
Z.	1.3	0.0	1.3	.7								9.3	5.4
ENE	1.3	1	1.									2.7	4.5
		1.3										2.0	5.3
£5£	7.	7.	.7									2.0	4.1
35		.7										7.	0.4
SSE	7.	.7										1.3	3.5
•	.7	.7		.7								2.0	6.0
SSW	1.3	.7										2.0	3.3
SW		2.0										2.0	4.0
WSW		.7										.7	4.0
*		2.7	1.3	.7								4.7	7.0
WWW		2.0	.7									2.7	5.8
NW												.7	0.6
NNN	1.	.7		1.								2.0	9
VARBL				i.									
CALM	$\bigvee$	$\bigvee$	$\bigvee$	X	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	0.9	
	11.3	42.0	30.7	6.3	7.							100.0	6.3

0 0

0

0

0

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0

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0

0

DIRNAVOCEANMET SMOS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

10.0

#### 0.5 MEAN WIND SPEED

HOURS (L.S.T.) MOV

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

75-77

STATION NAME

YUMA, ARIZUNA

DIRECTION AND SPEED

ALL MEATHE

COMBITION

-

Z

Z

0

•

2 2 2 -

0

0

0.6 6.9 4.0 0.6 6.3 8.0 4.0 11.0 10.1 24.0 2.0 12.0 1.3 0.4 6.7 \* 2 48 - 55 41 . 47 34 - 40 28 - 33 22 . 27 17 - 21 11 . 16 1.3 7 - 10 13.3 ... 2.7 2.7 . 4.0

TOTAL NUMBER OF OBSERVATIONS

===

150

0

100.0

41.3

17.3

7.00

NW NW NAW

0

CALM

0

0

0

0

WSW WSW

0

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SSW

2.0

SMOS DIRNAVOCEANMET

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

23195 STATION

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

23195 STATION

FROM HOURLY OBSERVATIONS)

14 HOURS (1.5.7.) 73-77 COMDITION STATION NAME YUMA, ARIZONA

SPEED (KNTS) DIR.	1.3	•	7 - 10	91 - 11	17 - 21	22 - 27	28 - 33	34 - 40	41.47	48 - 55	<b>%</b>	×	MEAN WIND SPEED
z	1.3	6.7	12.0	14.0	1.3							35.3	10.0
NNE		1.3	4.7	1.3								7.3	8.3
WZ.		2.7	3.3	1-								6.7	7.1
ENE	2.0	.7	1.3									0.4	5.5
		1.3	1.									2.0	6.7
ESE	1.											7.	3.0
SE	1.3		1.3									2.7	5.5
SSE		.7		7								7.	0.9
s		2.0	2.0									0.4	6.2
SSW	1.3		4.									2.0	4.7
SW	. 7	.7	2.7	. 7								4.7	7.7
WSW		.7	. 7									1.3	6.0
*	1.3	2.0	3.3	2.7								9.3	8.1
WNW		2.7	1.3	2.0	.7							6.7	10.1
XX		1.3	2.0	4								0.4	7.8
NNW		1.3	3.3	1.3	1.3							7.3	10.7
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$		$\bigvee$	1.3	
	8.7	24.0	39.3	23.3	3.3							100.0	8.5

DIRNAVOCEANMET SMOS

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TOTAL NUMBER OF OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

25

SURFACE WINDS

NOURS (L.S.T.) , YEARS 73-77 NEATHER CLASS STATION NAME YUMA, ARIZONA

• •	7 . 10	1 . 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	8	*	MEAN WIND SPEED
7.3	13.3	4.7								26.7	8.0
2.7	1.3									0.4	6.2
										1.3	7.0
1.3	.7									2.0	5.7
1.3	7.									2.0	5.3
1.3										1.3	4.5
	.7									1.3	5.0
1.3	1.3									2.7	6.8
2.7	3.3									0.9	6.9
	2.0									2.7	7.3
1.3										1.3	6.0
0.0										6.7	4.8
6.7	4.0	2.0								12.7	7.2
	5.3	7								0.9	0.0
2.0	3.3	1.								0.9	7.6
2.0	7.3	0.4	.7							14.0	6.3
X	X	X	X	X	X	X	X	X	X	3.3	
36.7	42.3	13 7	r								
	* 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		7. 10 13. 3	7. 10 11. 16 13.3 4.7 7. 2.0 2.0 2.0	7.10 11.16 17.21 3 13.3 4.7 7 1.3 7.7 7 2.0 7 7 2.0 7 7 2.0 7 7 2.0 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7.10 11.16 17.21 22.27 3 13.3 4.7	7.10 11.16 17.21 22.27 28.33 13.3 4.7	7.10 11.16 17.21 22.27 28.33 34.40 3 13.3 4.7	7.10 11.16 17.21 22.27 28.33 34.40 41.47 3 13.3 4.7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7.10 11.16 17.21 22.27 28.33 34.40 41.47 48.35 256 3 13.3 4.7 1.5 3 4.0 2.0 4.0 2.0 7.3 4.0 5 7 5 7	7.10     11.16     17.21     22.27     28.33     34.40     41.47     48.55     256       3     13.3     4.7     4.7     4.3     256     256       3     11.5     2.0     2.0     2.0     2.0       4     2.0     2.0     2.0     2.0       7     3.3     4.0     2.0     2.0       7     3.3     4.0     2.0     2.0       7     3.3     4.0     2.0     2.0

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

### SURFACE WINDS

-

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

73-77 WEATHE. COMDITION YUMA, ARIZONA

20 HOURS (1.5.T.)

NOV

SPEED (KNTS) DIR.	- -:3	• •	7 - 10	11 . 16	17 - 21	22 . 27	28 - 33	34 - 40	41 - 47	48 · 55	N 56	*	MEAN WIND SPEED
z	1.3	8.0	0.0									15.3	5.7
W.		r										7.	6.0
N.	10-	1.										1.3	4.5
E.			4.									.7	8.0
		1.										7.	0.9
ESE													
SE		7.	1.3									2.0	7.0
SSE	1-	. 7	1.3									2.7	0.9
s	1.3	3.3	2.0									6.7	5.3
SSW		2.0										2.0	4.3
S.W	.7	1.3										2.0	6.4
WSW	7.	2.7	. 7									0.4	5.3
*	2.0	6.7	4.7									13.3	0.9
WWW		5.3	1.3	. 7								7.3	4.9
×	1.3	9.3	4.7	. 7								16.0	6.2
NNN	1.	2.7	0.4	1.3								8.7	2.7
VARBL													
CALM	$\bigvee$	16.7											
	6.3	1.44	26.7	2.7								100.0	6.0

DIRNAVOCEANMET SMOS

0

0

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

23195 STATION

### SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2.3 HOURS (L.S.T.) NOV 73-77 WEATHER YUMA, ARIZONA

SENTS	1.3	9.7	7 . 10	11 . 16	17 . 21	22.27	28 - 33	34 - 40	27 - 17	48 - 55	> 56	*	
9													
z	1.	1.8	6.3	2.0								16.	- 3
Z Z	1.		. 7									1	.3
Z	4.	1.3										2	2.0
276		2.0										2.0	0
•	1.3	2.7										0.4	0
ESE	1.	1.3										2.0	0
*		2.0	1.3	. 7								0.4	0
386		.7	0.2	1.3								0.4	0
•	1.	0.4	1.									5.3	3
SSW	1.3	2.0										3.3	3
SW	1.	2.0										2.	1
WSW	1.3	1.3	1.									3.3	3
*	1.	2.7	0.4									7	6
WNW	1.3	1.3	1.3	. 7								4.7	1
NW	7.	2.0	2.0	1.3								0.9	0
NNW	2.0	3.3	2.0									7.	1.3
VARBL													
CALM	$\bigvee$	24.0	C										
	10.7	37 3	20.0	7 7								000.	

986

DIRNAVOCEANMET SMOS

8889

TOTAL NUMBER OF OBSERVATIONS

0

Ha

23195

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS JAN 78

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 73-77 YUMA, ARIZONA NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CONDITION

ALL WEATHER

ALL HOURS (LS.T.)

NOV

(KNTS) DIR.	:	;	7 . 10	9	17 - 21	22 - 27	28 - 33	3 6	4 . 4	48 - 55	% %		×
z	5.0	10.9	10.2	5.2	9.	.1							29.0
Z	1.0	3.6	4.2	1.2									10.0
¥	6.	3.0	1.3	4,									5.7
Z.	.7	1.3	9.										2.7
-	. 2	1.4	• 3										2.0
ESE	6.3	1.	. 1										1.1
35	.2	4.	5.	. 1									1.7
SSE	2	9.	. 7	2.									1.7
•	0.	2.1	1.4	2									4.2
SSW	0	9.	.3										1.7
NS.	6	1.0	6.	2									1.8
WSW	4	1.7	• 3										2.5
*	.7	3.3	2.7	1.2									8.0
WWW	.2	1.5	1.7	1.2								-	4.6
×	.2	2.4	1.9	. 7	. 1								5.3
NNN	.00	1.7	2.7	1,3	4.							_	6.9
VARBL												-	
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	X	X	$\bigvee$	M	$\bigvee$	X		11.0
	9.7	36.4	29.8	11.8	1.2	1						-	0.001

0

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DIRNAVOCEANMET SMOS

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1200

TOTAL NUMBER OF OBSERVATIONS

23195 BRATION

155

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

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SURFACE WINDS

SPEED (KNTS) DIR.	:	;	7 - 10	11 . 16	17 . 21	22 . 27	28 · 33	34 - 40	41.4	4 . 35	<b>%</b>		*
z	9.	14.2	7.7	1.9									24.5
NNE	1.3	4.5	1.3										7.1
Z.		4.5										,	6.5
ENE		3.9										(5)	3.9
*		9.											9.
ESE	1.3	9.	0									2	2.6
38		1.9	1.3									E	3.2
386	0.	1.3										1	0
8		1.3										1	1.3
SSW		1.9										1	6.
SW	9.	••										-	1.3
WSW		1.9										1	6.
*		1.3										1	.3
WWW		1.3		9.								i	6.
WN		9.	5.8	9.								7	
MNN	9.	1.3	6.9	2.6	9.							11	9
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	23	23.2
	6.3	61.4	23.9	. A	4							0001	

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

### SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

23195

(FROM HOURLY OBSERVATIONS)

0.5 NOURS (L.S.T.) DEC YEARS 73-77 WED THE CONDITION STATION MAME YUMA, ARIZONA

					7.7	22 - 27	28 · 33	34 - 40	41 - 42	48 . 55	8	*	SPEED
Z Z Z	5.2	18.7	6.3	6.5								38.1	6.5
¥	2.6	10.3	4.5									17.4	5.1
Z -	5.2	6.5	1.3							9		12.9	4.1
-		1.9										1.9	6.0
-	• 0	1.9										2.6	3.8
ESE		9.										9.	0.4
SE			9•									9.	7.0
SSE		•										9.	4.0
\$	9.											9.	3.0
SSW													
SW	• 6											9.	3.0
WSW	1.3	1.3										2.6	4.3
*		9.	9.									1.3	6.0
WWW				9.								9.	12.0
NW	1.9	1.3	9.	9.								4.5	5.6
NNW	9.	1.3	6.5									6.5	7.5
VARBL													
CALM	X	$\bigvee$	$\bigvee$	X	X	X	$\bigvee$	$\bigvee$	$\bigvee$	X	X	8.4	
	18.7	45.2	21.9	33 15								100.0	7. 7.

0

188

0

0

0

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TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

12 3

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

HOURS (LS.T.) DEC YEARS 73-77 WEATHE. CONDITION YUMA, ARIZONA

KINTS)	:-	;	7 . 10	91 - 11	17 - 21	22 - 27	28 · 33	3	4.4	48 - 55	8	×	MEAN WIND SPEED
z	3.2	14.2	16.8	5.8								0.04	7.6
NNE	2.6	12.3	7.1	9.								22.6	6.1
2	1.9	4.5	2.6									0.6	5.5
ENE	9.	1.3	9.									2.6	4 . 8
		9.2										2.6	4.5
ESE													
*		1.3										1.3	5.5
386		9.										9.	4.0
\$	Ģ.											9.	3.0
SSW													
SW	9.											9.	3.0
WSW		9.										9.	6.0
*	1.3											1.3	3.0
WWW			1.3									1.3	7.5
NW	• 6	9.	1.3	1.3								3.9	8.3
NNW	.6	9.	6•€	9.								5.8	7.7
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	X	$\bigvee$	X	$\bigvee$	X	X	7.1	
	12.3	38.7	33.5	8.4								100.0	6 7

0

0' 0

3000

8110

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

23195 STATION

E

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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HOURS (L.S.T.)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 WEATHER CLASS STATION NAME

YUMA, ARIZONA

23195 STATION

COMBITION

SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41.49	48 - 55	<b>%</b>	*	MEAN WIND SPEED
z	9.	7.7	13.5	16.1	5.6							9.04	10.3
Z	0.	5.2	11.0	3.2								20.0	8.2
N.		5.5	3.9	3.2								12.3	8
ENE	9.	1.3	9.									2.6	5.5
	9.	2.6										3.2	4.0
ESE	9.	9.										1.3	4.5
SE	9.	9.	1.3									2.6	7.0
SSE		9.	9									1.3	7.0
•		1.3										1.3	5.0
SSW			9.									9.	8.0
SW		9.	9.									1.3	5.5
WSW		9.										9.	4.0
*		9.										9.	0.4
WWW		9.	9.									1.3	8.0
N			1.3	1.3								2.6	11.5
NNN		9.	• 6	2.6	9.							4.5	12.1
VARBL													
CALM	$\bigvee$	X	X	$\setminus$	3.2								
	3.9	28.4	34.8	3 96	2 3							000	

0

0

0

0

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

14 HOURS (L.S.T.) 73-77 ALL MEATHE. COMDITION YUMA, ARIZONA

DEC

MEAN WIND SPEED	10.0	7.9	7.8	6.7	0.9		9.6	4.7	7.5	10.0	6.0	0.9	0.9	8.0	12.0	11.5			0
*	38.7	11.6	8.4	3.9	1.3		2.6	1.9	7.1	9.	1.3	1.3	3.2	1.3	1.9	12.3		2.6	0 000
<b>35</b> Al																		$\bigvee$	
44 - 55																		$\bigvee$	
11 - 47																		$\bigvee$	
34 - 40																		$\bigvee$	
28 · 33																		$\bigvee$	
12 · 11																		$\bigvee$	
17 . 21	3.2														9.	9.		$\bigvee$	4. 5
11 - 16	13.5	6 1	1.3				9.		8.1				0.	9.	9.	7.1		$\bigvee$	777
7 . 10	11.6	6.4	6.€	2.6	9.		1.3		9.5	0.		9.				3.9		$\bigvee$	32.3
•••	8.4	5.2	2.6	1.3	9.		9.	1.3	9.2		9.		1.9	••				$\bigvee$	25.8
1.3	1.9		9.					9.	9.		9.	• 0	• 0		9.	9.		$\bigvee$	7.1
SPEED (KNTS) DIR.	z	NNE	a N	ENE	-	353	38	SSE	8	SSW	NS.	WSW	*	WWW	NW	NNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

H40

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

23195

0

0

0

TOTAL NUMBER OF OBSERVATIONS

0

MEAN WIND SPEED

5.8

5.5 9. 9. 1.9

2.0

5.0 7.0

### SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YUMA, ARIZONA

23195

YEARS

WEATHE

17 HOURS (L.S.T.)

DEC

COMDITION

100.0 8 . 55 4 41 . 47 34 - 40 28 - 33 22 . 27 0 17 - 21 0 0 3.2 4.5 18.7 11 . 16 7.1 35.5 5.1 9. . 3.5 0 0 5.8 19.4 F. 3 7 . 10

3.9

1.3

s

25 25

9.

2.6 6.1 2.6

WSW WSW

0

SSW

0

WNW

0

0

0

0

\*

N N VARBL CALM

9. 1.3

2.6 6.

1.3

ZZ

•

0

1.3

Z

4.0

-

SPEED ENTS

100

6.5 4.6 4.8 5.6 8.0 8.6

1.3 3.2 2.6 4.5 0.6

13.5

2.6 5.0 3.9

4.9

5.0

1.3 2.6 =

155

TOTAL NUMBER OF OBSERVATIONS

34.8

SMOS DIRNAVOCEANMET

0

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

08.5

NOURS (L.S.T.)

YEARS

73-77

STATION NAME

YUMA, ARIZONA

23195

SURFACE WINDS

ME A THE COMBITION

SPEED													
(KNTS) DIR.	<u>:</u>	:	7 . 10	* :	17 - 21	22 - 22	28 · 33	3 8	41.47	48 . 55	8		*
z	2.6	10.3	7.7	1.9								22.6	9
NNE	0.	1.9										2.6	9
NE	1.3	9.										1.	6.
ENE			9.									9.	9
			1.3									1.3	2
ESE	9.											9.	9
38	1.3	9.										1.9	0
SSE		1.3	9.									1.9	-
8	1.9	1.9	1.3									5.2	2
SSW		9.	• 6									1.3	3
SW	1.3	9.										6.1	0
WSW		1.9										6.1	6
*	2.6	5.2	9.	9.								0.6	-
WWW	1.3	9.7	3.2									14.2	~
NA	0.	12.3	2.6									15.5	
NNW	9.	3.2	1.3	1.3								5.9	
VARBL													
CALM	$\bigvee$	11.0	0										
	14.8	50.3	20.0	3.0								0.001	-

0

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

0

0

0

188

23 HOURS (L.S.T.)

DEC

SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

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SURFACE WINDS

ALL WEATHER

73-77

STATION MAME

YUMA, ARIZUNA

2.6 11.0 1.3 3.2 1.3 1.9 6 1.3 1.9 4.5 1.9 4.5 1.9 4.5 6 1.9 7.6	DIR.	1.3	•	7 - 10	11 . 16	17 . 21	22 - 27	28 - 33	34 . 46	41 . 47	48 · 55	48 - 55 ≥ 56	
1.3 3.2 1.3 1.9 .6 .6 3.9 .6 3.6 1.9 4.5 1.9 4.5 1.9 .6 1.9 .6 1.0 .6	z	2.6	11.0	3.9									19.4
1.3 1.9 .6 .6 3.9 .6 .6 1.9 4.5 1.9 4.5 1.9 .6 .6 .6 .6 .6 .7 .6 .8 .6 .8 .6 .9 .6 .9 .6 .9 .6 .9 .6 .9 .6 .9 .6 .9 .6 .9 .6 .9 .9 .9	N N	1.3	3.2										4.5
1.9 4.5 1.9 4.5 1.9 4.5 1.9 6.5 1.9 .6 1.9 .6 1.3 2.6 1.9 .6 1.3 2.6 .6	w Z	1.3	1.9										3.9
1.9 4.5 1.9 4.5 1.9 4.5 1.9 .6 1.9 .6 1.3 2.6 1.3 4.5 1.9	ENE	• 6	3.9										4.5
1.9 4.5 1.9 4.5 1.9 .6 1.9 .6 6 .6 1.3 2.6 1.3 2.6 1.9 .6 6 2.6 1.3			9.										9.
1.9 4.5 1.9 4.5 1.9 .6 1.9 .6 6 .6 .6 1.3 2.6 1.3 4.5 1.9 .	ESE	• 0	9.										1.3
1.9 4.5 1.9 4.5 1.9 .6 6 .6 1.3 2.6 4.5 1.9 6 2.6 1.3	SE			2.6									2.6
1.9 4.5 1.9 .6 6 .6 6 .6 6 .6 4.5 1.9 6 .5 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	SSE		1.3	1.9									3.2
1.9 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6	s	1.9	4.5		9.								7.1
1.9 .6 .6 1.3 2.6 1.3 6 2.6 1.3 4.5 1.9	SSW	9.											2.6
1.3 2.6 1.3 6 2.6 1.3 4.5 1.9	AS.	1.0	9.										2.6
1.3 2.6 .6 2.6 1.3 4.5 1.9 .6 3.2 1.	WSW	•6	9.	9.									1.9
4.5 1.9 4.5 1.9 .6 3.2 1	*	1.3	2.5										4.5
4.5 1.9	WWW		2.6	1.3									4.5
.6 3.2 1	W		4.5		0.								7.1
	NNA		9.	3.2									5.8
	=	$\bigvee$	$\bigvee$	$\bigvee$	X	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigwedge$			53.9
CALM		13.5	40.6	16.1	5.8								100.0

5702 SURFACE WINDS JAN 78

SURFACE WINDS

200

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

YUMA, ARIZONA

WEATHER CLASS

SEED (KNTS) DIR.	÷:	;	7 - 10	91 - 11	17 - 21	2.2	28 - 33	34 . 8	41 - 47	<b>48</b> · 55	% AI	*	MEAN WIND SPEED
z	2.4	11.5	11.3	6.6	8.							32.7	8.0
ZNZ	1.1	5.5	3.5	6								11.0	6.5
N.	1.5	3.5	1.7	9.								7.3	5.8
ENE	2.	1.9	9.									2.8	5.3
	• 2	1.2	.2									1.6	6.4
282	4.	4.										6.	4.3
35	.2	8.	1.0									2.1	6.9
358	• 2	0.1	45.									1.6	5.3
8	6	1.9	6.	49								4.1	5.9
SSW		9.	• 3									0.1	5.6
SW	. 8	1.	• 1									1.6	4.1
WSW	.3	1.1	2.									1.7	6.4
*	. 5	1.9	7.	(5)								3.2	5.4
WWW	.2	2.0	5.									3.5	6.3
NW	10.	2.6	6•T	1.0	.1							6.1	7.4
NNN	4.	1.4	3.7	2.6	.2							8.3	9.2
VARSL													
CALM	$\bigvee$	$\bigvee$	10.4										
	10.2	38.2	27.2	12.8	1.1							100.0	6.3

0 0 0 0

0

0

DIRNAVOCEANMET SMOS

088

1240

TOTAL NUMBER OF OBSERVATIONS

14608

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

73-77

YUMA, ARIZUNA

23195

WEATHER CLASS

ALL HOURS (L.S.T.)

COMDITION

22 - 22 - 28 - 33 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -		0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	28 - 33 34 - 40 41 - 47 48 - 55
28 . 33	28 - 33 34 - 40	28 - 33 34 - 40 41 - 47 48 - 55	28 · 33   34 · 40   41 · 47   48 · 55   ≥ 56
		8 . 4	1 . 47 48 . 55 19 56 1

Dago

42

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

STATION MAME

YUMA, ARIZONA

23195 STATION

CIG 200 TO 1400 FT WZWSBY 1/2 MT DR MURE-I MSTRUMENT

ALL HOURS (L.S.T.)

MICIG 200 FT DR MORE AND/DR VSBY 1/2 TO 2-1/2 MI

SPEED (KNTS) DIR.	1.3	•	7 . 10	11 - 16	17 - 21	22 . 27	28 - 33	34 . 46	41.4	48 - 55	% AI	×	MEAN WIND SPEED
-		6.6	4.8	2.4	4.8							21.4	4.6
NNE		2.4		2.4								8.4	11.0
-													
343	2.4	2.4										4.8	3.5
-													
-	2.4											2.4	3.0
-					2.4							2.4	21.0
-													
		2.4		2.4			2.4					7.1	15.0
SSW		2.4		2,4								8.4	8.5
SW		5.4		2.4								8.4	8.0
WSW													
-				2.4	7.1	8 9						14.3	19.3
WNW		5.4		9.6	7.1							0.61	14.9
-		4, . 2			2.4							4.8	12.0
NNW				2.4								5.4	15.0
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	X	X	X	X	$\bigvee$	X	X	$\bigvee$	7.1	
	4.8	26.2	4.8	26.3	22.8	5 7	7 6					0 001	11 7

#### ART D

## CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

- 1. Annual all years and all hours combined
- . By month all years and all hours combined
  - By month by standard 3-hour groups

station was meeting or exceeding any given set of minima may be determined from the figure at the intersection reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visiferring to totals in the extreme right band column. Also, visibility may be determined independently by bility. The totals progress to the right and downward. Ceiling may be determined independently by reon pages 2 and 3 below. U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948.

# EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

	0 1	7		95.6				98.1		100.0
	<b>%</b>	7	)							
	≥ 5/16		1		DATE:					
	٧ ا				No.		0 0			
	<b>%</b>		)	SHE 70						
	% AI	<u> </u>	>	Calenda Calenda						
S	- AI							7.72		98.3
VISIBILITY (STATUTE MILES)	×1 ×1	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\								
BILITY (ST/	7 1 1/2		1							
VISIA	2 2	(								6.96
	≥ 2%	7(		Service and	11071025					
	۸I	7	,	91.0						95.4
	4									
	5 1	7	)							
	9 1									
	01 ×1	3	)							
CEILING	(FEET)	NO CEILING		N 1800	≥ 1200 ≥ 1000	0 08 0 08	VI VI 009	VI VI	8 8 N N	0 0 0 0

Read ceiling values independently of visibility under column at right headed > 0. For instance, from the table: Ceiling > 1500 feet = 92.6%.

Ceiling > 500 feet = 98.1%. EXAMPLE # 1

Read visibilities independently of ceilings on bottom line opposite > 0. From the table: Visibility > 3 miles = 95.4%.
Visibility > 2 miles = 96.9%.
Visibility > 1 mile = 98.3%. EXAMPLE # 2

To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%. EXAMPLE # 3

#### PART D

#### ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given In the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet</p> and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value observations meeting the lower set of limits, but not meeting the higher set of limits. in the table for the second set of limits. The difference will be the percentage of

The value 91.0 read from the table at the intersection of > 1500 feet with > 3 miles, subtracted from 97.4 read from the table at the intersection of > 500 feet with > 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling > 500 feet with visibility > 1 mile, but < 3 miles; or ceiling > 500 feet, but < 1500 feet with visibility > 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

#### DART D

#### SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

- 1. By month and annuel all hours and all years combined.
- 2. By month by standard 3-hour groups.

Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for summary will, of course, be limited to period of available data. NOTE: # 1:

Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

TENTHS	07	m <b>≄ r</b> v∕o	စ္တလဂ္ဂ
			obscured)
OKTAS	01	0 m = r	o,

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

73-77

02 HOURS (1.5.7.) Z MONTH

200

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

91.0 ٨١ 6.06 89.0 91.0 89.0

0.68

89.0 6006 91.0

89.0 90.3

\*

X N

٨I

7 7

7

1 2%

AI

AI

1

Al

2

(FEET)

NO CEILING

N 2000

VISIBILITY (STATUTE MILES)

97.4 1096 97.4 95.5 93.6 1.96 4.16 95.5 600 95.5 91.0 93.6 4.16 92.3 96.1 91.0 93.6 96.1 90.3 92,3 95.5

1.96

1.96

96.1

96.1

96.1

95.5

95.5 93.6

95.5

95.5 96.1

6.56 96.1

95.5

93.6

93.6

93.6 95.5

93.6

93.6 95.5 96.1

93.6 95.5

92.3

49.7

V 1 V 1200

2 . 76

21.6

97.4 97.4

1.86 98.7 98.7

98.1 98.7

98.1

98.1 98.7

98.1 98.7

98.1 98.7 98.7

98.1

98.1

98.7 98.7

97.4 97.4

24.5

2000

AI AI

96.8

96.1

53.6 24.5

98

AI AI

98.7 98.7

4.16

97.4

4.16 4.16

97.4

4.16

4066

37.4 97.4

4.16

1096

4.16

97.4

40.16 97.4 98.1

96.1

53.6

1.96

8.46

52.3

97.4

93.6 93.6

92.3 92.3 92.3

91.0

6006 91.0

6.06

90.3

90.3

606

600 0.68

90.3

89.0

89.0

89.0

89.0

89.0 6.06

89.0

87.7

91.0

91.0

91.0

91.0

91.0

91.0

91.0

1.68

VI VI 0009 0009

92.3

92.3

92.3

92.3 93.6

92.3

92.3

92.3

91.0

49.0

4.16 1.86 7.86 7.86 97.4 7.86 98.1 98.7 4.16 4.66 98.1 98.7 98.7

> 98,7 98.1

198.7

7.86

98.7

98.7

40.66 4066 99.4 40.66

> 4.66 4.66 7.66 4.66 7.66

4.66

4.66

4.66 7.66

4.66

4.66

4.66 4.66 98.7 98.7 98.7

4.66

98.1

24.8 24.8

989

AI AI

54.2

1.86

55.3

55.5

3000

AI AI

55.5

2500

ALAI

55.5

55.5

88

AI AI

55.5 55.5

88

AI AI

55.5 55.5

88

AI AI

55.5

88

AI AI

55.5 55.5

98

ALAI

55.9

AI AI

55.5

98.7

30.4 99.4 99.4 99.4 99.4

98.7

7.86

4.66

4.66

4.66

8016

155

TOTAL NUMBER OF OBSERVATIONS

SMOS

DIRNAVOCEANMET

55.3

80

ALA

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23195

YUMA, ARIZONA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NAL

ì

05

CEILING							VISIA	DILITY (STA	VISIBILITY (STATUTE MILES)	(\$						
(FEET)	2 1	o Al	8 41	AI AI	8	2 2%	7 4	2 4	71	-	AI	* 11	Z AI	≥ 5/16	× AI	0 11
NO CEILING	47.1	83.9	83.9	83.9	83.9	83.9	33.0	83.9	83.9		83.9	83.9	83.9	83.9	83.9	83.9
		8		87.		87.1	1		-	-		-	-			87.1
0009	49.0	87.	87.7	87.7	-	87.7	87.7		:	-	87.7	87.7		87.7	87.7	87.7
		89	6	89.7	0		6		6	6	6		6	6	6	89.7
12000		92.	3.	92.3	5		6.26		~	2		92.3	92,3	N	65.3	92.3
1		94.	;	94.8			*		*	;						94.8
000		95.	5	95.5	3		è		3	5			5	3.	95.5	95.5
1		96.		9	9		. 9		9	9	0		0			96.1
141	56.1	96	96.8	8.96	8.96		96.8		.0	•		8.96	96.8		8.96	8.96
	56.8	97	-	4.16	:		-				-		-		:	97.4
2000	57.4	98		98.1	1.86				1.86		8		3		98.1	98.1
1	57.4		8	1.86						00			98.1	8	1.86	98.1
900	57.4	98.1		98.1	1.86	•	1.86	98.1	30				8	8		98.1
	57.4		8	98.7	20		3		18.7	8			8	8	8	98.7
3000	57.4	98.7		98.7	7.86	•			98.7	00	8		3	8	7.86	98.7
	57.4		00		98.7		8		48.7	00			8	48.7		98.7
7000	57.4	1.86		98.7		•	7.86		48.7		98.7		98.7		3	98.7
	57.4	98.7	8	1.86	1.86		98.7	48.7		0	00				00	98.7
1500	57.4	98.7		98.7		1.86			98.7	98.7	98.7	98.7		98.7		98.7
	57.4	98.7	2	98.7			00		18.1	8	20	98.7	186	98.7	8	98.7
2 1000	57.4	98.7	98.7	98.7	2	•	98.7	18.1		0	98.7	98.7		98.7	48.7	98.7
006	57.4	98.7	8	1.86		•	8				186	98.7	186	98.7		98.7
	57.4	98.7		1.86		98.7					186	98.7	98.7	98.7	28.1	98.7
	57.4	7.36	8	1.86	48.1		8	48.7				78.7	00	98.7	0	98.7
N 400	57.4	7.86		1.86		98.7			98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
	57.4	98.7	8	48.7	8	•	œ	48.7			8	186	1.86	98.7	8	98.7
N 400	57.4	98.7		98.7	28.1	98.7	1.86	98.1	1.86	98.7		98.7	98.7	98.7	98.7	98.7
38	57.4	98.7	00	98.7		98.7	98.7	98.7	78.7			78.7	1.86		00	98.7
	27.4	78.7		18.	1006	180		1006	1001	7801		1001	***	40.4	44.4	***
8	37.4	200	1.86		786	78.7	98.7	1.86	200	98.1	98.7	780	4.00		4000	4066
	4010	100	1006	1006		.0		100		1001		100		44.	44.4	000

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NAC

8

0.8 HOURS (1.5.7.)

CEILING							VISI	VISIBILITY (STATUTE	ATUTE MILES)	(\$)						
(166)	2 1	4 AI	8 41	7	6 41	Y 2%	7	V 1%	¥1	Ā	% Al	* Al	Z AI	≥ 5/16	× Al	N AI
NO CEILING	18.7	78.7	78.7	78.7	78.7	78.7		78.7	78.7							
¥ 2000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	-	87.1		87.7				87.7	87.
	87.7	87.7	87.7		87.7											
141	88.4	4.68	88.4	88.4	98.4		88.4		88.4							89.
	91.0	91.0	:		-				:							91.
12000	2.46	2.46	34.2	2.46	34.5	2.46		2.46			94.8	8.46			94.8	94.
1 -	1.96	1.96	1096													96
800		96.1	96.1	96.1	1.96			1.96								96
1	97.4	4.16		97.4	-		4.16									98
141		98.1		98.1						98.7	7.86	98.7	98.7	98.7	98.7	98
1	98.7			98.7							4.66				4.66	99
900		7.86		98.7	7.86	98.7		98.7		4.66	4.66	4.66		4.66	4.66	66
1		98.7		98.7		186	98.7	98.7		9066	4.66	7.66	7.66	4.66	4.66	66
141		98.7		98.7	7.86	98.7		98.7		4.66	4.66	4.66	4.66	4.66	4.66	66
		98.7		98.7	1.86	7.86		98.7		9066	4.66	3066	7.66	4.66	4.66	99.
300	98.7	48.7		98.7	7.86	48.7	7.86	98.7	48.1	4.66	4.66	4.66	4.66	40.66	4.66	66
	98.7	68.4		7.86	1.86			98.7		4.66	4.66		4.66	40.66	4.66	66
200		98.7		98.7		98.7		98.7		4.66	4.66		4.66	4.66	4.66	66
1		98.7	48.7	98.1	1.86	98.1	98.7	48.7		90.66	4.66	\$ 66	4.66		4.66	66
1500		98.7		98.7	98.1	98.7		98.7		4066	4.66			4.66	4.66	66
	1.86	98.7	1.86	98.7		186		98.7		4066	4.66	4066	7.66	7.66	4.66	66
1000		98.7	98.7	786		98.7	98.7	98.7		4.66	4.66	4.66	4.66	4.66	4.66	66
	78.7	98.7	186	1.86	98.7	98.7		98.7		9.66	4.66		4.66	4.66	7.66	66
8		98.7	1.86	98.7	98.7	98.7				4.66	4.66		4.66	4.66	4.66	66
		48.4	48.7	98.7		98.7	7.86	98.7		40.66	4.66	4066	4.66	\$ 66	4066	66
8			1.86	7.86	98.7	98.7		98.7		4.66	4.66		4.66	4.66	4.66	66
			7.86	48.7	98.7			98.7	8	4.66	4.66		4.66	4.66	4.66	66
8	-	98.7	98.7	98.7	98.7	98.7	98.7	98.7		4.66	4.66	4.66	4.66	4.66	4.66	66
86	98.7	98.7	1.86		98.7	•		98.7	98.7	4.66	4.66	4.66	4.66	4.66	4.66	
			98.7		98.7	98.7	98.7			90.6	4.66	4666	30.66	4066	4.66	
8	1.86	•	1.86		98.7	786	1.86	98.7	186	4.66	4.66	9.66	4.66		7.66	00
	1001	1901	1001	190	180	1001	78.	100	1006		77.4	3.6	**	***	33.4	8

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NAC

=

11

CEILING							VIS	IIBILITY (S	VISIBILITY (STATUTE MILES)	(Sa)								
(FEET)	5 VI	۰ ۸۱	20	AI	e vi	≥ 2%	1 2	VI 72	VI 72	Ā	٨١	*	*	N X	N S	5/16	N N	N AI
NO CEILING	6.18	80.4	99.7	89.7	90.3	81.9	81.9	81.9	81	80	0 0		61.06	8	000	0.6	6.0	18
	90.3	90	€.06	6.06	91.0		91.0			16	6	0		6		0	0	6
141	91.0	91.	91.0	91.0	916	91.	91.0	91.6	91.6	91	6 9	9.1	91.6	91.	16 9	9	1.0	91.6
	92.9	92.	6.26	92.9	93.6	-	93.6	93.6	93.	66 0	6 9	3.6	93.6	93.	6 93	9.0	3.6	93.
> 12000	94.8	94.	8.46	94.8	95.5	95.5	95.5	95.5	95.	66	5	5.5	95.5	95	5 63	.5	5.5	95.
0001 4	96.8	96	4016	97.4		98.1	98.1	98			6 1	1.9	1 86	86			8.1	98.
	90.8	96	97.4	97.4	98.1	98.1	98.1	98.1	98.	86	1 0	8.1	98.1	98.	1 98	-	8.1	98
	4.16	97.	1.86				98.7		.86		6 1	1.9	1.86	98			8.7	.86
2 7000			98.1	98.1	98.7		98.7	98.7	98	1 98	1 0	8.7	1867	98	1 98	. 7	8.7	98.
			1.86	98.1		1.86	98.7		98		6 4	1.8	18.7	.86		6 4.	8.7	. 86
0000			1.86	98.1	98.7	98.7	98.7	98.7	. 86	98	1	8.7	198.7	98	1 98	6 7.	8.7	98.
			1.86	98.1	98.7		98.7	98.			6		186	98	1 98		8.7	98
4000	98.1		98.7	98.7	4.66	4.66	99.4	4.66	99.4	66	6	4.6	7 66	66	66 4	4.	4.6	99.1
			48.7	98.7	4.66	4 66	99.4	66.	66	66	6 4	7.6	4.66	66	66 4	6 4 0	4.6	99.
3000	98.1	-	4.66	4.66	100.0	100.0	100.0	100.0	1000	100	0100	60	0.00	100	0010	010.	0.01	00
	-		4.66	30.66	100.0	100.0	100.0	100.0	100.0	100	010	0.01	0.00	100	0110	010	0.0	00
7 2000	98.1	-	4.66	4.66	100.0	10000	100.0	100.0	1000	100	0100	6	0.00	1001	0100	010	0.0	00
	-	-	30.66	3.66	100.0	100.0	100.0	100.0	100.0	100	010	0.01	0 000	001	0010	010	0.01	00
≥ 1500	-	-	4.66	4.66	100.0	100.0	10000	100.0	100.0	100	010	0.01	0000	100	0010	800	0.0	8
	-	-	4066	30.56	100.0	100.0	100.0	100.0	100.0	100	0100	10.0	0000	001	0100	010.	0.0	00
VI 1000	98.1	98.1	4.66	40.66	10000	10000	100.0	100.0	100.0	100	-	.01	0000	100	0100	010	0.01	000
00 AI	-	-	40.66	30.66	100.0	10000	100.0	100.0	100.0	100	01	0	0 • 00	001	0010	010	0.0	00
	-	-	40.66	\$ 66	100.0	100.0	10000	100.0	100.0	100	010	0.01	0.00	100	0010	010	00.00	8
N 78	-	_	3.66	\$ 66	100.0	100.0	10000	100.0	100.0	100	01	.01	0.00	001	0010	010	0.0	00
	1.84	1.86	33.6	\$ 666	100.0	100.0	100.0	100.0	100.0	100	10	0.01	0 . 00	100	0010	010	00.00	8
98	_	_	4.66	40.66	10000	10000	10000	100.0	1000	100	010	2.01	0 000	00	0010	010.	10.0	00
	1.86	98.1	40.66	4.66	100.0	100.0	10000	100.0	100.0	100	010	0.0	00.00	00	0010	010	0.0	00
98 41	100	1.00	3000	20.00	1000	1000	0000	100	100	001	010	0.0	0000	00	0010	000	0.0	8
	100	78.1	40.4	99.4	100.0	100.0	1000	100.0	100	001	010	0.0	00.00	00	0010	9	0.0	00
8	-	_	100	**	0.00	100.0	100.0	100.0	100	100	010	0.0	00.00	00	0010	010	0.0	8
	78.1	78.1	37.4	***	100.0	1000	10001	100.0	100	100	010	0.0	00.00	000	0010	odo.	0.0	00

SMOS DIRNAVOCEANMET

1100

155

TOTAL NUMBER OF OBSERVATIONS

0 0

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14 nous (1 5 T ) NAC

200

CEILING	o z							VISI	VISIBILITY (STATUTE MILES)	ATUTE MIL	LES)							
	E	N 20	o Al	S AI	A)	E AI	N 2 1	7	Y1 7.	¥1 ×1	Ā	% Al	AI	*	22	≥ 5/16	× Al	0 1
NO CE	CEILING	61.3	81.	81.3	81.3	81.3		81.3	-		-	8	80		1.3	-		81.3
N 20	20000	89.0	89.	89.0	89.0	89.0		69.0			89.	0 89.	0	.0	0.6	89.0	89.0	89.0
	18000	89.7	60	89.7	89.7	89.7	200	89.7		89.7	89.	1 89			4.1	6	6	89.7
٧١ <del>٥</del>	8	91.6	91.	910	91.6	91.6	91.6	91.6	-	91.6	91.	6 91.	0 91	6 9:	1.6		910	9106
	8	92.3	92.	676	92.3	92.3	92.3	92.3	2.	2.	92.	6		63	2.3	2.	92.3	92.3
i Ai	12000	8 . 46	*	8.46	94.8	8.46	94.8	94.8	8.46	94.8	94.	8 94.	0	. 8	4.8	8.46	8.46	94.8
1 3	8	1006		1.96	1.96	1.96	1.96	1.96	0	96.8	96		•	8.	0	.0	8.96	96.8
A	0006	96.1		1096	96.1		96.1	96.1	8.96	96.8	96.	8 96.	96 9	. 8	6.8	96.8	96.8	96.8
	900	96.8	96	96.8	96.8	8.96	96.8	8.96	97.4	97.4	97.	4 97.		5 50	4.1	44.4	97.4	97.4
IAI	2000	97.4		4.16	97.4	97.4	97.4	94.6	98.1	98.1	98.	1 98.	1 98	6 7.		98.1	98.1	98.1
	8	98.1	98	98.1	98.1	98.1	100	98.1	48.7	98.7		7 98.	1 98	6 4	8.7	7.86	98.7	98.7
IAI	9000	98.1	98.	98.1	98.1	98.1	98.1	98.1	98.7	98.7	98.	7 98.	7 98	. 4	8.7	98.7	98.7	98.7
1	8	98.1		1.86	98.1	1.86	98.1		48.7	98.7		7 98.	1 98		8.7	98.7	98.7	98.7
IVI	4000	98.7	96	98.7	98.7	98.7	98.7	7.86	4.66	4.66	66	66 4	66 4	0 4.	4.6	4.66	4.66	4.66
1	8	98.7	98.	98.7	98.7	1.86	98.7	1.86	4.66	4.66	.66	66 4	66 4	*	4.66	4.66	7.66	4.66
IAI	3000	4.66	66	4.66	4.66	4.66	4.66	4.66	100.001	100.0	100	0100	0100	70.	00.00	00.00	100.0	100.0
	8	4.66		4.66	3066	4.66	4.66		100.0	100.0	100	0100	0100	10.	0.0	0	0.001	00001
IAI	2000	4.66	66	4.66	\$ 06	4.66	4.66	4.66	100.001	100.0	100	0100	0100	0	00.00	00.00	100.0	100.0
1	8	4.66	66	4.66	4.66		\$ 66	4.66	100.0	100.0	100.	0100	0100	10.	00.00		0.001	1000
AI	1500			4.66	4.66	4.66	4.66	99.4	100.001	10001	100	0100	0100	0	00.00		10000	1000
	8	-		4.66	4.66	4.66		9.66	100.001	100.0	100	0100.	0100	10.	0.0	0.00	100.0	1000
i Ai	0001	-		4.66	4.66	4.66	4.66	99.4	100.001	10001	100	0100	0100	10.	00.00	0000	100.0	1000
	8	-		40.66	4.66		\$ 66	4.66	100.001	10000	•	10	-	10 +	00.00		0.001	100.0
٨١	8			4.66	4.66	4.66	80.66		100.001	100.0	•	0010	0100	10.		0	100.0	100.0
	8	-		4.66	4.66		9.66		100.0	100.0	1000	0100	0100	10:	00.00	0	0.001	10000
AI	9			4.66	4.66	4.66	4.66	4.66	100.00	100.0	1000	0100	0100	10.	00.00	00.00	100.0	1000
	8	-		4.66	4.66	4.66	\$ 66	7.66	100.00	100.0	100	0100	0100	0	00.00	0000	0.001	100.0
AI	904			4.66	\$ 66	4.66	4.66	90.66	100.001	100.0	100	0100	0100	0	00.00		100.0	100.0
AI/	38			7.66	7 00	4.66	4.66	7.66	100.0	100.0		0100	0100	0	00.00	0.00	0.001	100.0
	3	-	•	, 00	7 00	7 00	4 000	100	000	0 000		000	36				000	000
AI AI	80	96	4.66	4.66	4.66	99.4	4 66	4.00	100	0000	000	0010	010	010	000	000	000	000
	1																	

TOTAL NUMBER OF OBSERVATIONS

155

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23195

YUMA, ARIZONA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2

17 HOURS (LST.) NAL

CEILING							VIS	VISIBILITY (STATUTE MILES)	STATUTE	MILES)									
(FEET)	2 4	o Al	AI AI	1	S AI	2 2%	12	7 7	VI 2/2		-	NI NI	AI	*	2 11	2 5/16	AI 9	2	O AI
NO CEILING	75.5	1 .	0	9		. 9	.0	16.	1	8		16.	_	_	0	1		8.9	76.8
≥ 20000	81.3		-	-	-	81.9		82.	6 82.	6	2.0	82.	6 82	9.	82,6	82.		3.6	82.6
1	83.9		84.5	84.5	34.5	*	•	85.	8 85.	8		5	80	8.	5.	8	8	2.8	85.8
14000	85.2		2	5	ż	2	-	00		7		87.	0	• 1 8		-	1 8	7:1	87.1
	87.7			88.4	200.000			89.	89.				_	1.	_		8	1:0	89.7
1 1 2000	91.0	91.6	91.6	91.6	91.6	-	5	92.	9 92.	0	5.9	5	0	6	6.20		0	5.9	92.9
	93.6		2006					95.		5 9	5	3	0	6 6 6	5.		5 9	5.5	95.5
0006	94.8		95.5	95.5	95.5	2				00		96	96	8	96.8	96	6		96.8
100	94.8			95.5	0	0	-	97.	. 97.	*	1.4			4		97.	4	4.1	
7000	8.46		3	95.5			97.4	97.	4 97.	*		97.	4 97	4		-	4	1.4	97.4
	95.5		0	1.96	0	9	96.1	98		1 9	8.1	86	86 1	6 1.			86 1	1.8	
9000	96.8		97.4	97.4	1.86	98.1	4.66		66 4	4	4.0	66	66 4	*		66	4	4.6	4.66
	9006		4016			98.1	7.66	99.	66	6 4	9.6	.66	66 4	*	4.64	66	4	4.6	40.66
9	97.4		98.1	98.1	98.7	98.7	10000	100.0	0070	010	0.0	100	0100	010	0.00	100	0100	1000	000
	40.16		1.86	1.86	98.7	98.7	100.0	100.0	0010	010			0110	010	0	100	-		0000
3000	97.4		1.86	98.1	98.7	98.7	100001		0010	010	0.0	100	-	70	0.00	100	0010	10.0	000
1 40	91.6			98.1	98.7	98.			01	-			-	10.	6		-		000
7 2000	97.4			98.1	98.7	98.7	100.0			010	0		0100	10.	0.00	100	6	500	000
	91.4		00	1.86	48.1	98.	100.0	•	2	010	ò		0010	010.	6	100	-		000
> 1500	97.4		98.1	98.1	98.1	98.7	10000		0100	010	0		-	10.	0.00	100	010	000	000
> 1200	47.4		1.96			98.7	10000	100.0	2	010	0		-	010	0.00		-	1000	000
	47.4		1.86	98.1	98.7	98.7	10000	0		-	0	•	0010	000	0		-		00
8 41	30.10	-	1.86		1.86	28.1	100001		0010	200	0	0	2	0	0.00		0010	9.0	000
1	91.4	-	1.86	98.1	98.7	78.1	100.0	100.0	0010	-	0	00	0100	010	0	100	-		00
1 70	30.10	-	1.86	98.1	1.86	98.7	•		0070	010		00	0010	100	0.00		01	•	0000
	77.4	-	98.1	98.1	98.7	98.7	10000		100.	-	•	00	010	010	0	100	010	0.0	00.00
98 AI	91.6		1.86		186	98.7	•	1001	0010		•	00	0010	100	0.00	100	-	1000	000
	97.6	-	98.1	98.1	48.7	98.7	100.0		0010			00	0010	010	0	100	0100	100	000
8	***	78.1	1.96	1.86	1.86	200	10000	100	0010		0.0	00	0010	0100	0.00	100	010	10.0	000
1	•	-1	100%	1.96	100	180	0.001	1001	0010	010	0.0	00	0010	0100	0	001	010	6	000
8	3,10		200	98.1	96	780	0.00	001	000		00	000	001	0	0.0	001	010	6	000
		1004	1004	1004	100	20.	0.001	1001	1100	010	0.0	00	0710	300	0.00	100	010	1000	0000

0

0

0

0

0

0.

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20 HOURS (1.5.7.) ZAZ HONTH

25

1200 59.4 98.1 98.7 99.4 99.4 100.0100.0100.0100.0100.0100.0100.010
4 98.1 99.4 99.4 9

0 0

0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

JAN MONTH 23 HOURS (L S T.)

=

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (187) 247 MONTH

8.66 8.66 8.66 98.7 97.4 97.4 ~ 4.68 8.66 8.66 90.66 8.66 8.66 87.6 6.96 97.1 8.66 8.65 8.66 8.66 8.66 8.66 93.3 95.8 7.86 7.66 99.5 8.66 186 × Al 8.66 40.66 66.8 8.66 8.66 8.66 8.66 8.66 8 . 66 8.66 93.3 96.3 8.66 8.66 8.66 8.66 98.7 ٨I 6066 8.66 8.66 8.66 8 66 8.66 8.66 4.66 8.66 8.66 96.3 97.9 99.8 8 . 66 8.66 90.66 9.66 8.66 8.66 8.66 8.66 8.66 88.6 88.6 4.66 66.5 8.66 8.66 96.0 8.66 8.66 99.8 96.3 8.66 97.9 98.7 98.7 AI 97.4 5.66 8.66 91.3 4.66 8.66 9.68 95.8 97.1 6.46 7.86 8.66 8.66 8.66 8.66 8.66 8.66 93.3 96.3 7.86 8.66 8.66 8.66 VISIBILITY (STATUTE MILES) 88.5 98.6 97.0 97.3 98.6 4.66 1.66 29.7 1.66 1.66 1.66 1.66 87.5 89.3 91.2 93.2 96.2 97.8 86.66 7.66 1.66 1.66 1.66 1.66 99.4 99.6 99.7 99.7 7.66 7.66 7.66 95.7 17 0.76 6.76 7.66 87.5 98.6 66.3 97.8 98.6 1.66 89.3 3006 88.2 88.5 88.5 91.2 93.2 1.66 7.66 7.66 7.66 1.66 1.66 7.66 1.66 7.66 7.66 1.66 95.7 9.66 9.66 9.66 0.66 9.66 9.66 9.66 90.66 9.66 6.96 98.6 9.66 90.66 5.66 87.5 98.6 4.66 90.66 90.66 90.66 99.5 99.4 99.4 99.6 90.66 3.66 0.66 91.0 91.2 7.70 93.0 93.2 95.9 96.1 95.4 95.4 95. ۸I 4.66 98.3 4.66 7.66 4.66 7.66 4.66 4.66 4.66 4.66 4.66 7.66 97.5 97.5 1.66 4.66 93.0 6.86 4.66 4.66 91.0 0.66 4.66 4.66 4.66 88.2 62.6 97.0 1.66 4.66 4.66 4.66 4.66 89.0 90.5 60.6 4.66 98.3 96.1 4.66 N Al 88.2 2.66 6.06 6.76 98.2 0.66 99.5 95.8 98.8 2.66 99.2 2.66 80.5 6.96 98.2 39.5 99.2 2.66 36.5 99.2 2.66 2.66 Al 9006 88.9 90.06 6.86 1.66 1.66 1.86 1.66 95.8 95.2 6.96 1.66 61.3 1.86 1.66 1.66 1.66 95.7 7.86 1.66 1.66 99.1 1.66 1.66 1.66 1.66 99.1 1.66 ۲۰ ۱۸ 86.9 90.06 95.6 4.86 95.4 98.6 88.6 6.46 96.5 6.96 96.1 7.76 97.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7 7.86 98.7 98.7 98.7 98.7 AI 74.6 67.7 16.8 68.3 0.2 71.9 4.1 100/ 76.8 77.4 77.7 17.7 7.77 75.7 77.7 77.7 7.77 17.7 77.7 7.1 77.7 77.7 77.7 77.7 17.7 7.17 77.7 77.7 2 ٨١

TOTAL NUMBER OF OBSERVATIONS

1240

2000

80

ALAI

88

AI AI

(FEET)

20000 × VI VI 00091 12000

AI A

900

2000

4500

3000

2500

1800

AI AI

88

9 9

ALAI

88

AI AI

88

ALAI

# NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

YUMA, ARIZONA

23195

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

=

02 HOURS (1.5.T.) FEB

CEILING								VISI	VISIBILITY (STATUTE MILES)	TATUTE	MILES									
(FEET)	2	VI O	87 AI	1	AI .	1 4	21/2	2 4	٧١ ٧	٧١ ٪	*	- AI	,i	*	*	N Z	Ai	9//6	× AI	AI
NO CEILING	36.2		87.9	87.9	87	87	6	7.9	87.9	87	6	37.5	87	7.	19.9	87.	8 6	6.	87.9	87.
> 20000	36.9		90.1	90.1	90.	1 90	.19	1.0	90.1	96	7.	90.1	90	7	100	90	1 9	0.1	106	90.1
> 18000	36.9	90.	1.06	90.1	90.	1 90	5 1.	90.1	1.06	90	1.	30	06	-:	100	90.	6 1	1.0	1006	90.
14000	37.6	06	8.06	90.8	90.	8 90	00	8.0	8.06	90	8	800	06	8	8.00	90	8	8 . 0	8.06	90.6
> 14000	37.5	1	90.8	90.8	90.	8 90	8	9.0	8.06	90	8	90.8	06	8	8.00	90	8	3.8	8.06	900
12000	37.6	91.5	91.5	91.5	91.	5 91	6	1.5	91.5	91	5	31.5	6	5	11.5	6	5	. 5	91.5	91.5
10000	38.3	95.7	95.7	95.	95.	1 85	61.	2.1	95.7	95		35.	45	-	13:1	95.	6	2.1	7.56	95.
0006	38.3	95.7	1.56	95.7	95.	7 95	6	2.1	95.7	95	7	35.7	66	1.	15:1	95.	7	2.1	198.1	95.7
8000	39.0	97.2	2.16	97.2	97.	2 97	6 2.	7.2	97.2	44	7.	37.2	16	2	2.16	97.	5 9	7.2	97.2	97.2
141	39.0	97.2	97.2	97.2	97.	2 97	.2	7.2	97.2	16	7	37.2	97	.2	17.2	97.	5 8	7.2	97.2	97.2
4000	39.0	97.2	2016	97.2	97.	16 2	6 2.	7.2	97.2	16	.2	37.5	16	2.	2.16	91.	5 2	7.2	97.2	97.2
2009	39.7	66.3	66.3	99.3	66	3 89	63	9.3	99.3	66	3	99.3	66	5	66.3	66	3 9	9.3	66.3	99.3
4500	40.4	100.0	100.001	00.00	100	0100	.010	00.00	00.0	100	010	0000	100	010	0.00	100	010	10.0	0000	100
141	40.4	100.0	100.001	100.0	100	0100	010.	0.01	00.0	100	910	0000	100	0.	0.00	100	0100	0	0.00	100.0
3500	40.4	100.0	100.0	0.001	100	9010	010.	10.0	00.00	100	010	0000	100	0.0	0000	100	010	10.0	0000	100
3000	40.4	100.0	100.001	0.001	100.	0100	.010	10.0	00.00	100	-	0.00	100	010.	0.00	100	0100	0	0.00	1000
2500	40.4100.0100	100.0	100.0	0.001	100	0100	010.	10.00	00.00	100	-	0000	100	0.0	0000		0100	0	0000	100.0
7 2000	40.4	100.0	100.001	0.001	100	0100	010.	00.00	00.00	100	70.	0000	100	20.	0000	_	.0100	0.	0000	100
1800	40.4	100.0	100.001	0.001	100	0100	010.	10.00	00.00	100	010	000	100	.010	0000	100	0100	0.	0000	100
1300	40.4	40.4100.0100	100001	100.0	100	0100	010	0.01	00.0	100	000	0000	100	0	0.00	_	.0100	0	0.00	100.0
	40.	100.0	100.001	0.001	100	0100	010.	10.0	0000	100	010	0000	001	0.	0000		-	.01	0000	1001
1000	4.0	100.0	100.001	0000	100	0100	.010	0.01	00.0	100	10.	0000	-	.010	0.00	00	.0100	10.	0000	100
	40.4	100.0	100.001	000	100	0100	010.	0.01	00.00	001	010	000	100	0	0000	100	010	000	0000	100
8	40.4	100.010	100.001	100.0	100	0100	010	10.0	00.00	100	0.0	0000	100	010	0.00	100	0100	70.	0000	100
	40.4	100.0	100.001	000	100	0100	010	0.01	00.00	100	0	2000	100	010	0.00	100	010	0.0	0000	100.0
8	40.4	100.0	100.001	000	100	0100	010	0.01	00.00	001	8	000	100	300	00.00	100	910	10.0	0000	1000
	40.4	100.0	100.001	0000	100	0100	010.	0.0	000	100	010	3000	100	010	0000	100	010	10.0	0000	100
400	40.4	10000	100001	0000	100	0100	010	0.01	000	100	100	000	100	010	0000	100	010	10.0	00.00	100.0
88	40.4	40.4100.0100	100.001	0.00	100	0100	010	0.0	00.00	100	0.0	0.00	100	010	00.00	100	010	0.01	00.00	100
	40.4	100.0	0.001	00.00	130	0010	010	0.0	000	100	0	000	100	0	0.00	100	010	10.0	0000	100
	*0*	100.0	100.001	000	100	0100	010	0.0	00.00	100	9	000	100	010	0.00	100	010	0.0	0000	100

TOTAL NUMBER OF OBSERVATIONS

141

THE REPUICE DETACHMENT, ASHEVILLE, NO

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

90 FEB

CBUING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
•	91	o Al	50	41	N 3	> 2%	1 2	2 1%	V 1%	71	% Al	*	Z AI	2 5/16	AI N	٨١
NO CELLING	34.5		85.1	5	5	85.1	85.1	85.1	85.1	5	85.1	85.	85.1		85.1	85.
≥ 20000	33.3		87.2	87.2	87.2	87.2	:	87.2	87.2	87.2	87.2			87.2	87.2	87.2
00081 A	33.3		87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2		87.2	87.2	87.	87.2
00091 A	33.3		87.2	87.2	87.2	87.2	-	87.2	-	87.2	87.2	87.	87.2	-	87.2	87.2
N 14000	34.8		40.68	80.4	89.4	468	89.4	89.4	89.4	89.4	89.4	00	89.4	99.4	89.4	89.4
13000	35.5		1.06	1.06	90.1	90.1	ò	90.1	90.1	90.1	90.1	90.1	90.1	1 90.1	90.1	90.1
A 10000	37.6		95.0	95.0	95.0	95.0	•	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2006	37.6		95.0	95.0	95.0	95.0	95.0	0.56	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
	36.3		97.2	97.2	97.2	2.10		97.2	97.2		97.2	97.2	97.2	2 97.2	97.2	97.2
7000	38.3		97.2	97.2	97.2	2.16		97.2	97.2	97.2	-	97.	97.2	97.2	97.2	97.2
	38.3		2016	2.16	97.2	2.16		97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
2000	38.3		61.6	6.26	97.9	6.16	61.6	6.16	97.9	97.9	97.9	97.9	97.6	97.9	97.9	97.9
1	38.3		6.16	61.6			-		-				97.9			97.9
141	39.0		666	86.66	66.3	66.3	99.3	66.3	86.66	66.3	66.3	89.3	99.3	8 99.3	1 99.3	99.3
1	39.0		66.3	66.3	99.3	86.3			99.3	66.3	99.3		66.	99.3		99.
3000	39.0		66.3	66.3	66.3	86.66		66.3	99.3	66.3	99.3	99.3	99.3	3 99.3		99.3
1	39.0		66.3	66.3	66.3	99.3	6066	66.3	66.3	66.3	66	99.3	66	3 99.3	666	99.3
1 2000	39.0		00.00	00.001	100.0	100.0	100001	100.0	100.00	100.0	100.0	100.0	100.0	0.0010	100.0	100.0
	39.0		00.00	00.00	100.0	100.0	10000	100.00	100.0	10000	100.0	100.0	-	0.0010	100.0	100.0
1500	39.0	C	00.00	00.00	100.0	100.0	100.0	100.001	100.0	10000	100.0	10000	-	10000	100.0	100.0
	39.0		0000	0.00		100.0	100.0	100.0	100.0		0	100	-	00010	100.0	100.0
V 1000	39.0	99,31	00.00	0.00	100.0	100.0	100.0	100.0	100.0	0	100.0	100.0	-	10000	100.0	100.0
	39.0	3	00.00	00	10000	1000	100.0	100.0	0.001	10000	1000	1000	1000	1000.0	10000	10001
008	39.0		00.01	00.00	100.0	100.0	100.001	100.001	100.0	10000	100.0	100.0	100.0	10000	100.0	100.0
	39.0		00.00	0000	100.0	100.0	10000	100.0	100.0	100.0	100.0	100.0	100.0		100.0	1000
00 Al	39.0		00.00	00.00	100.0	10000	100001	100.001	100.001	100.0	100.0	100.0	100.0	1000.0	100.0	1000
	39.0		0	000	0.001	100.0	10000	100.0	00001	0.001	100.0	100.0	100.0	0.0010	100.0	100.0
N 400	39.0	99.31	C	00.00	100.0	100.0	100001	100.001	100.001	100.0	100.0	100.0	100.0	100.0	100.0	1000
	39.0		C	00.00	0.001	100.0	100001	100.001	100.001	0.001	100.0	10000	0001	0.0010	100.0	1000
Y 200	39.0		00.00	00.00	100.0	100.0	10000	100.001	100.00	100.0	100.0	1000	100.0	100.0	100.0	100.0
81	39.0		0000	0.00	0.001	100.0	10000	100.001	0000	0.001	100.0	10000	100	10000	100.0	100.0
0 Al	39.0		00.00	00.00	0.001	100.0	10000	100.00	100.001	00001	100.0	100.0	100.0	10000	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

0.8 HOURS (1.5.7.)

FEB PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		6 4	1	7		.2			.2	.2	.2	9.	9.	.6	.6	.3	.3	0	0	0.	0	0	0	0.	0	0	0	0	0.0	0	00
	AI	80	0	8	16	92	95	96	97	97	41	96	86	86	98	66	66	100	100	-	100	100	100	_	100	100	100		001	3	100
	2			-	5	2.2	201	6.5	1.2	1.2	1.2	3.6	3.6	3.6	3.6	66.66	6.6	0000	0.0	0.0	0.0	0.00	0	0.0	0.0	0.0	0.0	0000	0.0	0	000
	AI	80		90	6	6	95	6	0	0	_	86	_	98	96		66	~	100		100	-	100	100	100		100	_	-	200	
	5/16	6.0		0	1.5	2.2	5.	6.9	1.2	7.2	7.2	8,6	8.6	8.6	8.6	9.3	6.9	0.0			0.0	0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	000
	Al	10 a	8	2	6	0	6	96	•		6				_	66 8	66 8	100	-	-	_	-	100	~	-	-	100	-	-	0010	22
	22	00		0	1.5	2.2				7.2	-			8.6	98.6	66	66.3			-	000	0000	000	0.0	0.0	0.0	0000	0:0	0	5	
		00 00	3	6 1	5	6	6	2	6	0	2	6 9	6 9	0	6	9		010	-	-	010	-	-	010	010	-	-	-	-	**	010
	*	90	6	0	-	2.		. 9	•	7.						66			00			00								•	000
		0 4		6 1	5	2	-	0	2	2 9	2	0	9	9	9	5	3	30	010	5	6	5	5	0	6	등	0010	3	010	3 6	38
	N AI	000	6	90	16	92.		96	16	97.		98.	.86	98	98	.66	66	100	100	100	100	100	100	1001	100	100	100	100	000	000	000
	-	0 4	1	-	5	2	-		~	~	~	9	0	•	•	•	3	0	0	0	0	70	0	0	0	70	Ö	70	-	5	0
-	Ā	80	0		91.	92.	95.	96	97.	97.		98.		98	98	66	66	00	00	00	00	00	100	00	100	00	100	00	00	000	000
MILES	-	0	7	17	5	~	-	5	N	2	7	9	0	9	0	2		-	0	5	6	6	0	0		0	0	0	0	5	33
VISIBILITY (STATUTE MILES)	71 7	80	0	0	16	35	95	96	6	16	16	86	86	96	86	66	66	00	00	00	00	00	00	00	00	00	00	00	000	3	88
(STA	1.75	0 4	3	-	.5	2	-		2.	2.	2.	9	9		9.	6	10	6	-	-	10	0	3	70	10	6	0	3	0	5	58
FILITY	AI	000		9		92		96	6	97		96	86		98	66	66	00	00	00	00	00	00	00	100	00	00	00	000	3	28
VISI	~	6 4	1	-	.5	7.		.5	.2	~	2	9.	0		9					.01	0	0	0	0	0	.01	0	0	0	5	00
	Al	80			91	26	95	96	6	16	46	9	86		98	66	66	100	100	100	100	100	100	100	100	100	100	100	007	001	000
	2%			3			0					6.	6.	6.	6.	0		.31			. 3					E.		. m		•	10
	AI	80	100	89	6	2	6			96	96	97	0	6	5	98	6			66	5	0	66	66	66	66		66	66		20
		1.0	8	4.0	0.8	1.5	5.0		6.5	6.5	6.5	1.9		7.9	7.9	8.6	8.6		6.6	9.3		9.3	9.3	3.3	3.3	6.6	6.6	9.3	9.3		
	٨١	00 00			6	0	6	6	6	6	6	0	16		6	6		6	66	66	66	66	66	66	66	6		6			99
	4	0 8			0	1.5		9.1	96	6.9	6.0	4.9	1.	97.9		98.6	98.6	66	66	66	66	96.3	66	6	66	9.3	6	66	66	200	. 6
	^'	80 8	B	- 4	6	0	0		5	0	2	0	6	0	6	0	0	o m	3	0	3	3	3	0	9	0	3	3	00		00
	N AI	80.		6	0	-	5.		•	•								6	6	6	6	6	6	6		6	6		•		
		HE	+		-	~	0	*	-	-	-	-	-		-	-	5	75	-	-	-	m	-	m	-	~	-	<b>a</b>	0	-	n m
	AI	000	3 00	36	00	31.	35	. 56	90	96	90	.16	37.	37.		.86	.86	.66	.60	.66	.66	.60	.60	.60	66	60	.66	.60	60		
		-	-		00	10	0	-	-	~	-	•	0	-	-	•	0	0	0	0	5	0	0	0	0	0	0	5	5	0	0.0
	N AI	08	000	68	90	91.	95.	95.	96	96	96	97.	97.	97.	97.	97.	97.	98	96	98	98	98	86	98	98	98	96	98	86		98.
		-	+		+	_	+	-				_	-	-	-		-	_	-		-		-	_	-		-	_		+	-
CEILING	(EET)	NO CEILING		9009	14000	12000	10000	8	8000	98	9009	200	4500	400	3500	300	2500	2000	1800	1500	1200	1000	900	8	700	8	500	8	88	3	8.
	=	₽ ^	1	AI AI		IAI	٨	IAI	^	IAI	^	IAI	^	IAI	^	IAI	٨	1 11	٨	IAI	٨	IAI	٨	IAI	^	IAI	^	IAI	AL	AI	AI AI

TOTAL NUMBER OF OBSERVATIONS

141

-

CEILING VERSUS VISIBILITY

2

FEB HONTH

11 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

	٨١	15.			90		92.	95.	95	97.	97.	97.	97.	97.	97.		66	66			00		00	00	00	00	8		00	00	00	00	00
	AI	15.9	87.9	88.7	90.1	0	92.2	95.0	3	-	97.2		97.2	97.2			88.3	66.3	100.001	100.001	100.001	00.00	100.001	100.00	100.001	100.001		100.001		00.00	100.001	0	10000
	≥ 5/16	•	87.9	88.7	90.1	c	92.2	95.0	95.0	97.2	97.2	97.2	97.2	97.2		61.6	66.3	88.3	100.001		100.001	00.00	100.001	100.0	100.001	0000	10000	0.001	100.001	0000	10000	0	100.001
	Z Al	15.9	87.9	88.7	0	•	7		5	-	97.2		-	-	616		86.66	6	100.0		0	100.0	10000	100.0	100.0	0.001	100.0	0		0	100.0	0.001	10000
	*	15.9	87.9		90.1	90 · B	92.2	95.0	95.0	97.2	97.2	97.2	97.2	•	97.9	63.6	99.3	6663	10000	100.0		100.0	100.0	100.0	100.0	100.0	100.0	0	10000	10000	10000	10000	10000
	% Al	75.9		88.7	0			95.0		97.	97.2	97.2	97.2	97.2		61.6	99.3	99.3	100.0	100	100.0	100.0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
LES)	ŽĮ.	75.	87.9	83	900	90.	0	98.	95.	97.	0	6		0	97.	6	0	0	20	100.0	10000	100,0	1000	100.0	100.0	100.0	100.0	10000	100.0	100.0	100.0	10000	10000
VISIBILITY (STATUTE MILES)	VI 7.	15.		87.	89.4	0	91.5		94.	96		96	96	96.	97.	97.	98	98	66	99.3			66.3	99.3	86.3		99.3	0		66.3	99.3		99.3
SIBILITY (S	۷۱ ۶۲		87.	-	89.4	90.1	91.5	94.3			96.5	96.5	96.5	96.5			0			66.3	66.3			66.3	99.3	66.3	66.3	6	99.3	99.3	66.3	66.3	99.3
7	AI		87.	87.9		90.1	91.5	94.3	94.3	96.5	96.5	96.5	96.5	0		97.2		0	99.3		666	99.3		66.3		66.3	8.66	66.3	66.3		99.3	E . 66	
	2 2%	-	87.	87.	30	06	91.5	5	94.3	0	96.3	2	0	96	0	6	98.6		3		0		2	66	66	66	66	66	66	66	99.3	66	66
	N AI	75.2	•		89.4	0	61.5	64.3	6.46	•	;	.96	96	9		97.2	98.0	00	66.3	6	6	99.3			66.3		66		66.3		66.3		66.3
	AI	75.8	87.2	87.	89.4	1 90	91.5	. 96	3 94.3	1 96	96.5	96.	96.5	96.3	97.2	97.2	98.6		66	66 6	66	66	99.3	66	66	66	86.3	66	66	66	66	66	66
	S) Al	2 75.	87.5			1 90.		96		96 6		96		96.5			98.6	1		6		. 66 4			. 66	6	66 5		66 5	66 4	6 99.3		99.3
	۸I	13.	87.	87.	89	90.	91.	96	94	96	96	96	96	96	97.	97.	97.	97.	98	86	98	98.	96	98.	98	98.	98	98	98	98	9 98.6	98.	98
	VI 5	. 7/	86.	87.	88	89.	90.	93.	93.	95.	95.	95.	95.	95.	96	96	97.	97.	97.	97.		97.		97.	97.	97.	97.	97.	97.6	97.	97.	97.	97.
CEILING	(PEET)	NO CEILING	× 20000		16000		> 12000	1	000		7000		2000		4000		3000		7 2000		1500		000		8		8		8		1 30		0

TOTAL NUMBER OF OBSERVATIONS

141

5

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

FEB

14

							-									
(FEET)	2	o Al	8 41	AI	21	2 2%	7 4	VI 2.7	۷۱ ۲۰	-	AI	*	VI Z	≥ 5/16	VI 3	AI AI
		73.1	13.1	·		3	3	73.1			m		13.1			13.
> 20000			84.4	84.4		•		•	84.4	4	84.4	400	94.4	*	85.1	85.
			5	85.1		5	3.		85.1	85.1	2.	2.		85.	5	85.
14000				86.5		0		86.5		86.5				86.	87.2	87.
			-	87.2	-						-	-		87.		87.
17000		90.1	0	90.1	90.1		0	90.1			0	90.1		90.		
1			2.	6.26	2	2	2.	2.		2	2.			92.		93.
8			3	92.9	2.	2	2	2.		2	2			92.		
			3		3.	3		3		3	3			93.		
141		84.3		64.3	6.46	4	6.46		6.46	*	6.3		6.46	0	95.0	95.
1			*	64.3						4.	*			94.		95.
8 8			2	1.56	5					5	3	9507		95.	96.5	96
1			3				5			5	3			95.		96
141				2	61.6		-	97.9		97.9	97.9	97.9	97.9	97.		98
			:	61.6	6.16		-		6.76					97.		98.
3000			-				-				-			97.	98.6	98.
1				98.6	98.6		1	98.6	98.6		8	98.6		_		66
7 2000			8				6			6				66		100
1			8	60.3			6				0	66.3	99.3	6		100
150			8				8.66	66.3			66.3	86.3	66.3	86.3	100.0	100
1			8	66.3							99.3	88.3	99.3			100
141				66.3				66.3	86.3	6	66.3	66.3		99.3		100
				66.3	66.3		6.56			6	66.3	8663			100.0	100
8			8	86.66	66.3		66.3		66.3	6	99.3	99.3	66.3		-	100
				66.3			66.3			6	66.3	666		66.3		100
8			8		66.3			6.66		6	99.3	99.3			100.0	100
			8	66.3	66.3		66.3			6	66.3	866		-	100.0	100
8				•	66.3		6.66		99.3		66.3		66.3	0	100.0	100
	2.16	98.6	8	66.3	0	66.3	•	66.3	66.3	6	66.3	66.3	66.3	66.3	•	001
700				66.3					99.3		99.3	99.3	99.3	86.3	0	100
91				•			60.56	6.66	66.3	66.3	66.3	666	66	6.66	•	100
٥ ٨١				99.3	666		•	99.3	66.3		99.3	99.3	99.3	99.3	1000	00

TOTAL NUMBER OF OBSERVATIONS

141

9000

95.7

98.6 98.6

99.3

99.3

66.3

#### CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION MAME

YUMAS ARTZONA

23195 STATION

MONTH 17

9990

FEB

HOURS (L S T )

0.0010.0100.0100.0100.0100.0100.0100.0100.0 98.6 93.6 98.6 6963 86.66 66.66 66.66 99.3 66.3 82.3 84.4 86.5 4.68 92.9 6.46 95.7 83.7 × 1 98.6 86.3 89.4 60.66 82.3 93.6 84.4 92.9 95.7 6.16 98.6 66.66 99.3 99.3 99.3 99.3 99.3 99.3 99.3 2 5/16 83.7 66.3 98.6 89.4 93.6 98.6 98.6 66.3 84.4 6.26 82.3 2 98.6 666 93.6 99.3 88.3 95.0 99.3 84.4 AI 98.6 98.6 66.3 66.3 6066 66.3 66.3 84.4 89.4 93.6 95.0 92.9 66.3 6.16 95.7 X N PERCENTAGE FREQUENCY OF OCCURRENCE 99.3 99.3 86.5 93.6 98.6 97.9 97.9 98.6 66.3 82.3 4.68 95.0 6.46 98.6 99.3 66.3 98.6 99.3 84.4 92.9 83.0 83.7 99.7 AI VISIBILITY (STATUTE MILES) (FROM HOURLY OBSERVATIONS) 81.6 0.56 97.5 98.6 98.6 98.6 98.6 2.26 6.16 88.7 92.9 6.36 83.7 85.8 85.8 VI 7 98.8 98.6 6.26 6.3 95.0 98.6 66.3 66.3 99.3 66.3 66.3 98.6 66.3 88.7 92.2 97.2 97.9 98.6 98.0 66.3 83.7 7 98.6 98.6 98.6 98.6 66.3 60.66 81.6 88.7 92.2 97.9 9.86 666 85.8 95.0 95.0 97.2 98.6 98.6 98.6 66.3 83.7 92.9 97.9 97.9 69.3 66.3 66.3 84.3 94.3 99.3 7 98.6 98.6 81.6 98.6 98.6 98.6 66.9 66.3 66.3 97.9 97.9 66.3 1 2% 98.6 98.0 6.46 95.0 9.86 97.2 99.0 98.6 66.3 81.0 85.8 92.9 66.3 66.3 66.3 66.3 88.7 92.2 97.9 99.3 66.3 M Al 98.6 97.2 6.46 97.9 61.6 98.6 98.6 98.6 98.6 91.5 96.5 97.2 6.16 97.9 81.6 82.3 64.3 83.0 87.9 92.2 93.6 61.6 61.6 98.6 ٨I 98.0 98.0 98.6 98.6 98.0 98.0 81.6 82.3 97.2 2.16 6.16 6.16 98.0 83.0 98.0 6116 92.2 93.0 96.5 97.9 6.16 85.1 87.9 6.46 M 98.6 83.0 98.6 98.8 61.6 986 81.6 87.9 92.2 93.6 97.9 97.9 97.9 6.46 98.6 98.6 98.6 98.0 85.1 84.3 96.5 2.16 97.2 91.5 4 98.6 97.2 98.6 98.0 98.6 98.6 2.26 6.76 97.9 98.6 81.0 98.6 99.96 83.0 85.1 87.9 91.5 6.96 97.2 6.46 97.9 97.9 6.16 E . 46 13.1 2 AI NO CEILING (FEET) ≥ 20000 VI VI 00081 12000 000 000 000 2000 2000 4500 3000 2000 1500 1200 88 88 88 AI AI AI AI ALAI AI AI AI AI AI AI AI AI

TOTAL NUMBER OF OBSERVATIONS

141

1000

99.3100.0100.0100.0100.0100.0100.0100.0

99.3

99.3

66.3

98.6

98.6

98.6

80

AI AI

66.3

99.3

98.0

986

98.0

98.6

88

AIAI

98.6

98.6

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20 FEB

CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)								
(FEET)	2	9 11	8 41	4	e Al	2 2%	12.2	¥1 ¥	7 4	Ā	AI	AI	*	2 1	2 5/16	Al Al		0 1
NO CEILING	32.	81.6		82.3	82.3	62.3	82.3	82.3	82.3	82.	82.	3 82	6.	6.28	82.	3 82	10	2.3
> 20000	35.	86.5	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.	87.	2 87	. 2 .	2.18	67.	2 87	2.8	7.2
	36.2	87.2	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.	87.	48 6	66	11.0	87.	87	6	4.6
16000	36.2	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88	7 88.	7 88	1	38.7	88	7 88	7 8	8.7
	37.6	90.8	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.	16 5	16 5	50	5.1	91.	16 6	5	1.5
12000	38.3	93.6	93.6	64.3	84.3	94.3	64.3	94.3	94.3	94.	3 94.	3 94	6.3	6.9	94.	3 94	3	4.3
	38.3	95.7	1.56	96.5	96.5	96.5	36.5	96.5	96.5	96	96 9	5 96		36.5	96	96 9	5	6.5
800	38.3	95.7	95.7	8.96	96.5	96.5	96.5	96.5	96.5	96	5 96.	5 96	5	96.5		96 5	5	96.5
1	39.0	97.9	61.6	98.6	98.6	98.6	98.6	98.6	98.6	98.	6 98	86 9	9.	9.96	98.	98 9	9	98.6
141	39.0	97.9	97.9	98.6	98.6	98.6	9.86	98.6	98.6	98.6	.86 9	9 9	0	98.6	98	86 9	6	8.6
	39.0	97.9	61.6	98.6	98.6	98.6	98.6	98.6	98.6	98.	98.	86 9	9.	98.6	98.	86 9	6 9	98.6
200	39.7	98.6	98.6	86.3	66.3	66.3		99.3	99.3	66	€ 66	3 99	.3	66.3	.66	3 99		99.3
	39.7	98.8	98.0	99.3	66.3	89.3	99.3	99.3	99.3	66	3 99.	3 99	.3	6.66	99.	3 99	3	99.3
1111	39.7	9.86	98.0	99.3	66.3	86.66	66.3	66.3	99.3	66	3 99.	3 89	6	6.66	66	3 99	3	9.3
	39.7	98.6	98.6	6.66	66.3	66.3	6.66	99.3	99.3	66	3 99.	3 99	.3	6.66	66	3 68	3	99.3
300	39.7	98.6	98.6	66.3	66.3	99.3	6.66	99.3	99.3	66	€ 66	3 99		66.3	66	3 99	3	99.3
	39.7	66.3	66.3	00.00	100.001	0000	100.0	100.0	100.0	100	0010	0100	0	000	100	0010	010	0000
7000	39.7	66.3	66.3	100.001	.0100.01	100.0	100.001	100.001	100.0	100	0100	0100	10.	0.00	100	0010	010	0000
1	39.7	99.3	66.3	0000	100.001	0.001	10000	100	00	-	0010	0100	10.	0000	100	0010	010	000
141	39.7	66.3	66.3	100.00	100.001	000	10000	100.001	100.0	1000	0100	0100	10.	0.00	100.0	0010	010	000
1	39.7	866	69.3	00.00	100.01	00001	10000	100.0	100.0	1000	0010	0100	0	0000	100	0010	.010	0000
90	39.7	66.3	66.66	100.00	100.001	100.0	100.0	100.0	100.0	100	0100	0100	10.	00.00	001	00100	070	00.00
	39.7	66.3	66.3	0.00	0.001	0.001	10000	100.0	100.0	100.	0010	0010	10.	0000		0010	010	000
8	39.7	66.3	66.3	10000	100.001	100.0	100.0	100.0	100.0	1000	0010	0100	10.	0000	•	0100	000	000
1	39.7	66.3	6.66	0.00	0.001	0000	100.0	100.0	100.0	1001	0010	0100	.010	0.00	100	0010	010	0000
8	39.7	88.8	66.3	10000	100.001	0000	10000	100.0	100.0	100.	0100.	0100	70.	000	100	0010	900	00.00
	39.7	66.3	66.3	00.00	0.001	00001	100.0	100.0	100.0	100	0010	0010	0	0000	100	0010	010	000
141	39.7	66.3	66.3	00.00	100.001	00001	100001	100.0	100.0	100.	0010	0100	10.	0.00	100	0010	90	000
8	39.7	6.66	99.3	000	0.001	0.00	100.0	100.0	100.0	100	0010	0100	0	00.00	100	0010	010	000
	24.	77.5	200	0.001	0001	000	0.00	0001	0.001	001	000		2	2			5	2 6
80	39.7	99.9	99.3	000	000	000	0000	100.0	000	100	000	010	0	000	100	0010	0	
1												-						

141

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

0

0

0

23195

0

### CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

23 FEB

2000

VI VI 2 5/16 2 11 1 00 1 00 1 00 1 00 1 \* % Al PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) ~I VISIBILITY (STATUTE MILES) 71 71 77 ~ ¥ 2% N Al 4 **41** 4 2 (FEET)

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7	8	2	3	6	~	6	0	9	0	0	6	3	~	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
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-	8	2	3	0	3	0	0	9	0	9	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
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TOTAL NUMBER OF OBSERVATIONS

141

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (1 S.T.)

2

FEB

CEILING							VISI	VISIBILITY (STATUTE	TUTE MILES	S						
(FEET)	2 41	o Al	5 1	<b>4</b>	8 1	≥ 2%	2 41	N V	¥1 ×1	-	¾ Al	*	2 11	≥ 5/16	AI N	۸۱
NO CEILING					0	0	0	0	80.9	-	1:	=	1:		-	00
> 20000				87.1	87.2	87.2	-	7	-	87.4	-	87.4	87.4	87.4		87
					:		•								88.0	0
00091								•					8	88.7	8	88
									6						0	0
12000		91.2	91.2	91.3	61.5	91.5	91.6	91.6	91.6	-	-	91.8	91.8		:	
										2				95.2	•	0
000		6.46			95.1				3	95.4	2		95.4	5		0
										9	9			96.8		
1 11		96.5				1.96				-				-		0
1				96.8								616				97.3
88					98.0	98.0	1.86	1.86	1.86					98.2		0
								8		8				-		0
8				98.5	1.86	7.86		98.8						_		
1								8		8				98.9		_
388		98.5		6.86	0.66	0.66	1.66	99.1	1.66	66.3	66.3	66.3	86.3	_	4.66	
1				0.66						6				-	99.	-
200				4.66					1.66	6				8.66	.66	
															66	66.66
1500				99.5				1.66		6					100	-
				5.66	1.66	1.66		1.66	4.66	6				1	100.	10000
1000		1066		60.6	1.66	1.66	•	1.66		6				-	100	-
		1.66	66.3		1.66	1.66		1.66	1.66		•.	6.66	6.66	6.66		-
80		99.1		66.5	2.66	1.66		99.1		6				7		2
					1.66	1.66	1.66	48.1		6				-	000	100.0
8		99.1		66.5	1.66	1.66		1.66	2.66	6006		6.66	6.66	99.9		20
					1.66	1.66	1.66	1.66		6					•	10000
2 400		99.1		66.8	1.66	1.66		48.1		6				-		2
86					1.66	1.66	2.66	1.66				6.66		6066	100.0	10000
7 200		99.1		66.5	2.66	1.66	.6	49.1		6			6.66	99.9	0	2
8	8.89	99.1	6.66	5.66	1.66	1.66	1.66	200	1.66	6.66		6.66	6.66	666	0	-
		1066		66.5	200	29.	1.66	9%.	79.7	6066	4.66	29.9	33.0	6066	100.0	2

TOTAL NUMBER OF OBSERVATIONS

1128

8448

DIRNAVOCEANMET SMOS

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23199

9220

73-77

YEARS

MONTH

2

MAR

02 HOURS (1 S T )

٨١

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

2

(FEET)

NO CEILING

¥ 20000

9009

12000

900

AI AI

AI AI

9000

ALAI

4500 4000

ALAI

3500

ALA

2000

ALAI

1800

ALAI

94.8 8.96 96.1 98.7 ٨١ 2.46 8.76 8.96 8.46 96.1 7.86 95.5 98.7 96.1 2 5/16 90.8 94.8 96.1 98.7 2 ٨I 94.8 2006 8.96 96.8 1006 ٨I 65.5 8.46 1.96 1.96 96.8 0.68 98.7 7.86 ٨I 8.76 96.8 94.2 8.76 95.5 96.1 98.7 98.7 96.1 Al 1.96 95.5 8.46 90.96 7.86 98.7 95.5 96.8 8.46 9. 46 1.96 98.7 98.7 7 9.76 95.5 8.46 96.8 96.1 7.86 96.1 98.7 AI 2.46 94.8 94.8 96.8 95.5 96.1 96.1 98.7 98.7 1 2% 1.96 9096 8.46 95.5 1.96 98.7 98.7 N Al 2.46 3.46 94.8 96.8 98.7 1.96 95.5 1.96 98. ٨I 5.56 8.46 1.96 8.96 1.86 7.86 Al 95.5 93.6 2.56 94.8 2.46 96.1 98.1 98.1 AI 36.1 36.8 36.1 36.8 38. 36.1 36.1 38.1 38.7 38.7 38.7 38.7 38.7 38.7 38.7 38.7 38.7 38.1 38.7 38.7 38.7 38.7 38. 36.

TOTAL NUMBER OF OBSERVATIONS

155

38.7

80

ALAI

88

ALAI

38.

38.7 38.7 38.1 38.7

88

ALAI

88

AI AI

120

ALAI

88

ALAI

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAK

0.5 HOURS (1.5.7.)

CEILING							>	VISIBILITY (STATUTE MILES)	STATUTE !	WILES)									
(FEET)	2	AI	\$ 41	AI	AI	2 2%	7	۷۱ %۲	VI VI		-	% Al	*	AI	AI S	\$/16	N N	٨١	
NO CEILING		68.4	1	88.	6 88.	4 88	4 88.4	4 88.	4 88.	4	8.4	88.4	88.	88 4	*	8.4	88.4	88	4
N 20000		94.2	2.46	94.	2 94.	2 94.	2 94.	. 96	2 94.	2	4.2	94.2	94.	2 94	.29	4.2	94.2	94.	2
		94.2		. 76	5 94.	2 94.	. 96 2	. 96	2 94.	5 2	4.2	94.2	94.	5 94	.2	4.2	94.2	94.	~
00091		8.46		. 76	94.	8 94.8	8 94.1	\$ 94.	8 94.	3	4.8	94.8	94.	96 8	8	4.8	94.8	94.	œ
		96.1		96	1 96	1 96	1 96	96 1	1 96.	1 9	1.9	1.96	96	1 96	-:	1096	1.96	96	-
7 12000		96.1		96	1 96.	1 96.1	1 96.1	96 1	1 96.	1 9	6.1	1096	96	1 96		96.1	96.1	96	-
	38.1	96.1	1.96	96	1 96	1 96	1 96	96	1 96.	1 9	109	96.1	96	1 96	-	1096	1006	96	-
0006		96.1	1.96	96	1 96.	1 96.1	1 96.1	1 96	1 96.	6 1	6.1	96.1	86.	1 96	7.	96.1	96.1	96	7
		98.1	98.1	98.	1 98.	1 98	98.	1 98	1 98	1 9	8 . 1	98.1	98	1 98	5 1.	98.1	1.86	98	-
141		98.1	98.1	98	1 98.	1 98.	1 98.	1 98.	1 98.	6 1	8.1	98.1	98.	1 98	5 7.	1.8	98.1	98	-
1		98.1	1.96	.86	1 98.	1 98	1 98.	1 98.	1 98.	1 9	8.1	98.1	98	86 1	1:	8.1	98.1	98	-
2000		98.7	4.66	66	* 66 3	1 66 4	1 99.4	. 66	66 4	9	4.6	40.66	66	66 4	4.	40.66	4.66	. 66	*
			4.66	99.	66 5	1 66 4	1 99.4	. 66	66 5	6 4	4.6	466	66	66 4	6 40	4.6	49.66	66	4
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300			0.0	100.0		0100		-		-	0.01	00.00	100	0010	010	00.00	100.0	100	0
	38.7	98.7	.0	100	100.0	0100	0010	0100.	.0010	-	0.0	00.00	100	0010	10.	10.00	0000	100	0
7000		98.7	0.0	100	0010	0100.0	010000	1000	0010	10	0.01	100.0	100	0010	5	00.00	100.0	100	0
		98.7		1001	1000	0100	0100	0010	0010	010	0.0	00.00	100	0100	0	00.00	000	100	0
1300			000	100.0	100.0	0100.0		0100.0	0100	010	0.01	100.0	100	0010	5	00.00	0000	4	0
		98.7		1001	0010	0010	0010	0010	0010	010	0.0	00.00	100	0010	0.	00.00	100.0	-	0
1000	38.7	•	7100.001	100.0	100.0	-	0100.0	100.0		0	0.0	00.00	100	0010	.01	00.00	0000	100	0
08 AI		98.7	.0	001	0	0100	100.0	-	0100		0	00.0	100	0010			000	001	0
			7100.01	100.0	•	0100	10016	0010	•	0100	0	100.0	100	0010	0	00.00	0000	100	C
	28.7	1.86	•	100	0010	0010	100010	0010	0	2	0	100.0	100		10.	00.00	0.00	100	0
9 Al			1100.0	1001	100	0100	10016	1000	•	010	0.0	100.0	100	0010	0.00	00.00	000	100	0
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00 11			:	100	100	0100.0	01000	01100	0100		•	100.0	100	0100	010	0.0	000	100	0
88	38.7	98.7	7100.0	100	1000	0100.0	01000	0100	0010	010	0.0	100.0	100	0010	010	0.00	00.00	100	00
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30		98.7	7100.0		0100	0100	0100	0010	01.00	-	0.0	100.0	100	0100	010	00.00	000	90	0
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TOTAL NUMBER OF OBSERVATIONS

155

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SWOS DIRNAVOCEANMET

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#### 5703 CEILING VERSUS VISIBILITY JAN 7

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

0.8 NOURS (1.5.T.) MAR

2

						0.41	0.1.			0.11						
				ekcer (I	(FROM	HOURLY	LY OB	(FROM HOURLY OBSERVATIONS)	TION	S)					1) SUNON	1.1
CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MIL	.ES)						
(FEET)	2 1	o Al	N AI	4	E AI	≥ 2%	2 4	¥1 Y	¥1 ¥	- 1	* AI	* AI	% Al	≥ 5/16	× AI	0 11
NO CEILING			4.1	77.4	17.4	4.1	77.04	77.4	77.4	17.4		7.00	4.1	4.1	11.4	-
× 20000		85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.
V 18000			86.5	86.3	86.5	86.5	86.5	80.5	86.5	86.5	80.0	800	80.5	60.5	80.5	80
N 16000			80.5	86.5	86.5	86.5	86.5	80.5	86.8	86.5	80.5	2000	20.5	90.5	20.5	80
			6006	90.3	800	800	90.3	90.3	90.3	90.3	90.3	800	90.3	90.3	90.3	00
¥ 12000			6.26	92.3	92.3	92.3	92.3	92.3	92.3	92,3	92.3	92.3	92.3	92.3	92.3	92.
1			2.46	84.2	94.2	94.2	94.2	2.46	94.2	94.2	94.2	2006	94.2	2006	94.2	94.
800			8.96	94.8	8.50	8.76	94.8	8.46	94.8	8.46	94.8	84.8	8.46	8 . 46	8.46	94.
			40.6	4.46	97.4	97.4	97.4	97.4	97.4	97.4	4.16	97.4	41.4	97.4	97.4	97.
1 41			98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	1.86	98.1	98.1	98.1	98.1	98.
1			1.86	98.7	98.7	98.7	98.7	98.7	98.7	98.7	1.86	48.7	48.7	98.7	98.7	98.
38			7.86	98.7	7.86	98.7	98.7	98.7	98.7	98.7	7.86	98.7	48.7	98.7	98.7	98.
1			98.7	98.7	98.7	98.7	98.7	7.86	98.7	98.7	7.86	186	48.7	48.7	7.86	98
1 4			98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	7.86	98.7	98.7	98.7	48.7	98
1			93.7	7.86	1.86	98.7	98.7	98.7	98.7	98.7	98.7	98.7	48.7	98.7	98.7	98.
300			4.66	49.4	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	66
			0000	00.00	0000	0.001	100.0	100.01	100.0	10000	100.0	0.001	0000	0.001	0.00	00
7000			10000	100.001	100.001	100.001	10000	100.001	100.0	100.0	100.00	_	100.00	100.0	0.001	001
1			0.00	00.00	0.001	0.001	100.0	100.001	100.0	10000			00.001	0.001		001
150			0.00	100.001	100.001	10000	0	100,001	100.0	10000	100.001	10000	100.00	100.0	0000	001
1		14.66	0.00	0.00	100.001	00.00	100.001	100	0.0010	100.0	100.0	0.001	0.00	0.001	0.001	001
90			0.00	100.001	100.001	100.001	0	100.001	100.001	0.001	100.0	100.001	100.00	100.0	0000	901
			0.00	00.00	100.001	0000	100.0	100.001	100.0	100.0	100.0	100.0	100.00	100.0	0.001	001
8			100.001	100.00	100.001	0000	10000	100.001	100.0	100.0	100.0	100.001	100.00	100.0	100.0	100
			0.001	0.001	100.001	00.00	0	100.0	100.0	100.0	100.0	100.00	00.001	0.001	0.001	001
38			100.001	100.001	100.001	100.001	100001	100.001	100.0	100.0	100.0	100,001	100.001	100.0	00001	100
			00	00.001	100.001	0.001	100.0	100.001	100.0	100.0	100.001	0.001	100.00	0.001	0000	001
8			0.00	0.00	100.001	100.00	0	100	0100.0	10000	100.001	100.00	100.001	100.0	0.001	001
			20.0	0000	100.001	0000	100.001	100.001	100.0	100.0	100.0	100.001	0.001	0.001	0.001	001
38				100.00	100.001	100.00	10000	100.001	100.0	100.0	100.0	100.001	100.00	100.0	0.001	001
80	3.66	99.41	00.00	0.00	0000	0000	100.001	100.00	100.0	100,001	100.001	0.001	0.00	0.001	0.001	000
ı	м	1										-				

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

73-77

11 HOURS (L.S.T.) HAR

200

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAM

200

14 HOURS (1 S.T.)

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE A	MILES)						
(FEET)	01 2	9 Al	\$ 2	4	e Al	> 2%	2 A	¥1 Y	¥1 Y	Ā	¾ Al	* 11	% A	≥ 5/16	NI NI	0 11
O CEILING	74.8	74.8		76.8	77.4	77.4	78.1	78.1	8	1 78.1		78.1	78.1	78.	1.87	78.1
≥ 20000	81.3		82.0	83.2	84.5	84.5		85.2	85.	2 85.2	85,2	85.2	85,2	85.	2 85.2	85.2
18000	81.9		83.2	83.9	85.2	85.2	3	85.8	85.	8 85.8	3	85.8	85.8	85.	8 85 . 8	85.8
16000	81.9	81.9	83.2	83.9	85.2	85.2	85.8	5	85.	8 85.8	85.8	85.8	85.8	85.	3	85.8
14000	83.9		85.2	85.8	87.1	87.1	87.7	87.7	87.	7 87.7	87.7	87.7	87.7	87.	7 87.7	87.7
12000	83.9		85.2	85.0	87.1	87.1	87.7	87.7	87.	7 87.7	187.7	87.7	87.7	87.	7 87.7	87.7
00001	85.8		87.1	87.7	6	0.68	89.7	89.7	89.	7 89.7	89.7	89.7	89.7	.68	7 89.7	89.7
000	87.1		88.4	89.0	8006	8006	91.0	91.0	91.	0 91.0	91.0	91.0	91.0	91.	0.16 0	91.0
	87.7		89.0	89.7	0.16	91.0	91.6	91.6		6 91.6	91.		91.6	91.	9110	91.6
7000	89.0		6.06	91.0	92.3	92.3	92.9	95.9	92.	9 92.9	6.26	92.9	92.9	92.	7	92.9
1	91.0		92.3	6.26	34.2	2.46		8.46	94.	8 94.8		94.8	94.8	. 76	8 94.8	94.8
2000	95.5		8.96	97.4	98.7	7.86	4.66	4.66	66	4 66 4	4.66	99.4	4.66	66	7.66 4	4.66
	95.5		90.06	97.4	98.7	98.7	4.66	4.66	66	4.99.4	4.66	4.66	4.66	66	4 66 4	4.66
900	96.1	96.1	4.16	98.1	4.66	4.66	100001	100.0	100	0100.0	100.0	10000	100.0	100	010000	0.001
1	96.1		4.16	1.86	4.66	4.66	100001	100.0	100	0100.0	10	100.0		100.	0100.0	0.001
3000	96.1	0	4.16	98.1	4.66	4.66		100.0	-	-	100.0	100,0	100			0.001
	96.1		4.16	1.86	4.66	40.66	100.001	100.0	100	0100.0	100.0	100.0	100	1001	0.0010	0000
2000	96.1	1.96	4.16	98.1	4.66	4.66		100.0	100	-	100.0	100,0	100	100	0100.0	0.001
1	96.1	1.96	4016	1.86	4.66	\$ 66	100.00	0.001	100	0100.0	100.0	100.0	100.0	100	0.0010	0.001
1500	96.1	1.96	4.16	98.1	4.66		100001	100.0	100	0100.0	10	-	-		0100.0	0.001
	96.1	96.1	4.16				100001	0.001	100	0100.0	100	100.0	100	•	0	0.001
000	96.1	1.96	4.26	98.1	4.66	4.66	100001	100.0	100	0100.0	100.0	-	-	100	0.0010	100.0
	1.96	1.96	4.16	1.86	4.66	4 66	10000	0000	100	0100.0		100.0	100.0	100	0100.0	0.001
8	96.1	96.1	4.16	98.1	4.66	4.66	100.001	100.0	100	0100.0	100.0	100.0	100.0	100	0.0010	10000
	1096	1.96	4.16	1 86	4.66		0.001	0.001	100	0,0010	100.0	100.0	100.0	100	0.0010	0000
8	96.1	96.1	97.4	98.1	4.66	4.66	100.001	100.0	100	0100.0	10000	10000	100.0	100	0.0010	100.0
	1.96	1.96	4.16				100001	0.001	100	0100.0	100.0	100.0	100.0	100	0.0010	0.001
007	1 . 96	1.96	4.16	98.1	4.66	4 66	100001	100.0	100	0100.0	100.0	100,0	100.0	100	0.0010	0000
300	196	100	4.16	1.86		5.66	100.001		0	10	100	100,0	0	0	0	0.00
	1001	1006	\$ 1.0	1006	4.66	79.	00001	0000	•	100	-	1000	100.0	100	0	00.00
80	96	96.1	4.70	0.00	4.66	0 0	0000	000	000	0100	000	1000	100.0	000	00000	000
	•							;	-	5		•	•	3	•	2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

23195

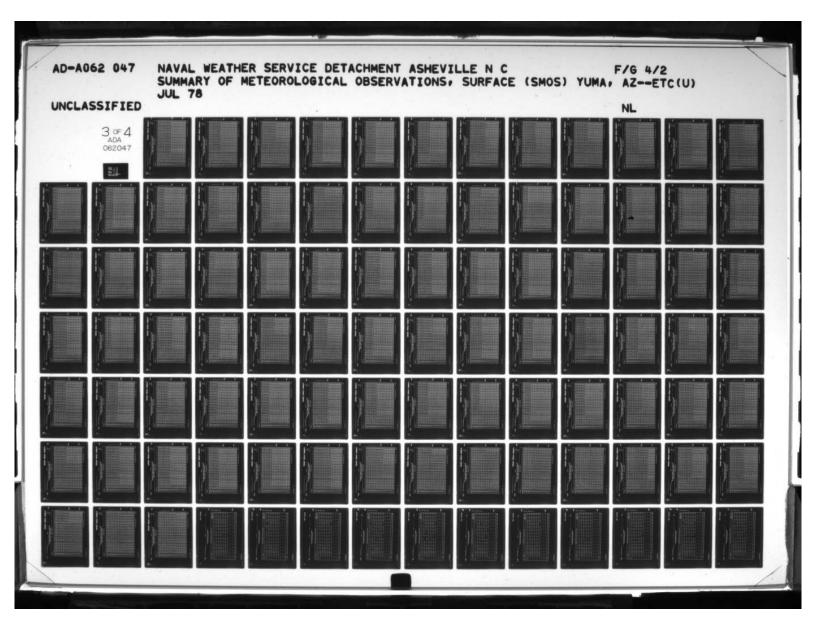
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAR

17

	0 1	8.4	4 . 6		90.3	916	96.8	7.66	0000	0.00	00.00	0.00	00.00	0000	00.00	0000	0000	0.00	0000	000	0.00
	7	- 4	4 4	40	-	-	18	4 4	-	010	4	010	010	000	-	.010	010	010	010	0	010
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	5/16	88.4	4.88	× 0	90.3	-		4066		0000			0000	0000		0000	0000	000	0000	000	0000
	AI S	- 4		4 0	7			4 4	0	00	5	0	0.01	-	0	.010	00	0	00	9	000
	Al	88	88	80 80	00	00	. 0.	99	2	100	Cont.	-	1000	0010	-	0010	100	-	001	-	0010
	*	88.4	88.4	88.4	00	916		99.4	0000	0.00		0000	0000			•	0000		0000		000
	*	- 3	3 4	40	0.00	00	10	3 3	0	00	6	3	00	5	6	.01	55	5	5 6	6	00
	AI	4 88	20 00		00	0.0	96 9	66 7	0010	0010	•	0100	0010	0010	-	0010	0100	-	0010	0100	0010
S S	Ā	88	8 8	20 0	00			66	0	000	0	0	000	000		0	00		000	00	000
TE MILE	7.	1.7	7.7	4.8			0 -1	2.7	9.41	4.0	4.6	9.41	9.41	4.0	7.6	9.41	9.4	4.6	4 4	9.4	9.6
VISIBILITY (STATUTE MILES)	AI	1 8	8 8	20 00	7 7	0 0		7 98	4	0 0	3	3	2 4	4 4		6	4 4	4	2 2	4	**
BILITY	V 1%	87.	20 00	88	89	6		98	66	66	66	66	99	66		66	99		99	66	99
VIS	2 4	7.7	7.7	7.7	_	-	96.1	9807	4.66	4.66		4.66	4.66			99.4	4.6	4.6	4 4	4.6	2.0
	21%	4	7.7	7.	000		n.	-	1	-		-	00	0.0				-1		-	66
	۱۸	87	87	1 87		00		2 2	86	800		1 98	6 6	000		98	200	86	E C	96	98
	N AI	87.1	87.	87	89.0	The second second	200	98.	98	96	96	.86	98.	96	98	.86	96	.86	98	98.	98.
	-	- s	5 50			0 4		0 0	4.	2 2	7.4	4.	3 3	4 4	3.	1.4	3 3		3 9	4	4 4
	٨١	2 8 8				000	9 6	1 96	0	2 2	0	6	00	00	0	3	0 0	0	0 0	6	9 9
	17		100	85						1											
	9	5.5	5.2	65.2	-	4	3.6	1.9	6.8	0 4	6.8	6.8	0.0	0 4	80	8.9	6.8	0.0	0 0	6.0	0.0
		NO	0.0	0.0	10 a	-1		23 00	-		10	3	20	5	1	in	n in	2	2	in	20
	71	83	8 33	8 3	85	18	26	200	95	95	95	95	95	95	95	95	9.5	56	35		95
CEILING	(ET)	CEILING 20000	18000	14000	0000	0008	9009	2000	4000	3500	900	2000	1500	1200	8	800	800	200	400	9 9	80
Ü	•	8 VI							AI AI			1 1 1	AI AI	ALA	1 1	IAI	۸۱۸۱	AI	٨١	AI AI	ALA

TOTAL NUMBER OF OBSERVATIONS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20 HOURS (1.5.7.) HAR

	O Al	85.	06	91.	93.	94.	96	196	98	98	98.	. 96	000	00	00	000	00	00	000	00	00	000	000	9	000	000
	2	NW	-	0	0.0	8	7.	8.	* -	! =	-	-	- 6	0	-	0	0	10	0	0	0	00	10	0	8	00
	AI	90	90		200		96	96	98	98		20 0	100	001	100	000	00	100	001	001	001	001	001	8	000	000
	5/16	5.2	0.3	0.1	30		6.1	6.8	4 . 4	8.1	9.1	200		0.0	0.0	00	0	0	0.0	0.0	0.0	0.0	0.0	0	000	00
	AI	36	6		0 0	6	0		96	0	86	200	0100	-	0010	0010	100	10	2100	0010	200	Š	)OII	ŏ	000	100
	2 11	90		-	93.0			96.		98	98	0 0	000	6	00	000	00	00	00	00	00	00	000	0	000	00
	_	NW			0.0	80	-	80	• -	-	-	-	-	-	0	0	11	6	0	8	-	8	10	0	0 0	000
	* AI	68	06	6	93		96		98	98	86	8	00		00	80	00	00	00	8	00	00	00	00	000	000
	*	75	6.9	•	0.0		7.0	8	•		-	-	0	0	0	00		0	0	0.0	0	0	•	5	50	66
	AI	90	06		2.60	6	6	96		86		86	100	10	-	001	0	100	100	100	100	100		0	001	1001
	-	5.2	0	1.0	3.6	4.	6.1	9 9				8	0	0	0.0	0	0	0	0.0	0.0	0.0	0.0	0.0	0	000	00
WILES)		26			00			0	4 -	- 6	6	7 6	200	-	-	010	20	010	010	010	010	010	010	010	010	000
VISIBILITY (STATUTE MILES)	¥1 Y	85	90		93	94		96			86	96	000	00	00	000	00	00	00	00	00	00	.00	00	000	000
Y (STA	2.2	26	.3	•			•	•	* -	7	-		- 0	0	0			0	0.	8	10.	0	.01	0	5 6	00
SIBILIT	Al		96	0	9 9	0	8	96	90	86	86	200	100	10	-	100		100	001	100	100	100	100	0	000	100
>	7	5.5	0.3	•	9 6		6.1			8			200			0.0		0.0	0.0	0.0	0.0	0.0	0.0	•	000	000
		200	0	0	0 0	80	6	<b>30</b> 4	1 0	0	6	6 0	010	010	010	010	010	010	010	010	oro	010	010	010		010
	≥ 2%	90	06	-	93		96	96	93	98	200	0 0	00		100.	100	00	100	00	00	00	00	.00	00	600	000
	е .	nn	•	0			•		* -	-		-	-	0	0	00	0	0	0.	<u>0</u>	10.	9	9	5	99	00
	Al	9 9		OK	9.0	96	96	96		98		86	100		100	100	100	100	100	100	001	100	001	001	100	100
	4	2.0		0	2.9		5	9	0	7.4			1 6	4.6	4.6	9 6	4	4.6	5.6	4.6	4.6	9.4	5.6		4 4	4.6
		2 V	2	90	20	7	2	٥ o	0 3	4	4	7 0	^ 0 ~ 4	3	4	4 4	4	4	4	4	4	9	4		4 4	4 4
	AI .	89			95	96		96	90	97		200	000	66	66	60	66	66	66	66	66	66	66		99	66
	•	83.2	4.	0	0.0	0			0 -		-		0-	-	-				-	-	-:			-		
	AI	2 20		-						6			* -			00				6	-	1 98				9.8
	9				2 40	•	•	36.	0	37.	37.4	•	38													
-	AI	3	35	0	3 5	-	m	m 1	JW	3	-	0 4	n	-	~	20 00	-	•	3	m	2	~	9 6	2	9 6	38
CEILING	Al	NO CEILING 3	18000	+	12000	10000	-	0008	+	3000	4500	+	3000	+	2000	0081	+	3000	+	900		900	80	+	38	

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

YEARS

MONTH 23

8

MAR

HOURS (L S.T.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

93.6 8.46 100.0100.0100.0 0 92.3 7.66 7.66 AI 93.6 4.16 94.2 2006 8.46 \$ 5/16 93.6 94.8 2.46 2. 46 97.4 4.66 96.1 7.66 7.66 7.66 7.66 2 ٨I 4.66 2:46 97.4 2006 8.46 93.6 96.1 AI 93.6 2.46 7.46 4.66 94.8 1.96 97.4 1.86 % Al 93.6 2046 2006 97.4 98.7 92.3 4.66 4.66 94.2 94.8 ٨١ VISIBILITY (STATUTE MILES) 1.96 8.46 97.4 92.3 93.6 34.2 34.5 2006 4.66 4.66 7.86 92.9 92.9 9.96 4.16 4.66 93.6 2.46 7.46 2.46 96.1 1.86 7 7 4.66 93.6 2006 34.5 97.4 92.3 8.46 4.66 2006 96.1 7.80 7 92.3 98.7 99.4 94.8 34.2 97.4 98.1 7 5% 93.0 96.8 94.2 1.86 98.7 Al \$ 66 9.66 4.66 4.66 95.5 4.66 3.66 4.66 \$ 66 4.06 91.6 93.0 93.6 8.96 \$ 66 4.66 4.66 4.66 34.2 93.0 4.66 7.86 98.7 98. ٨I 4.66 4.66 4.66 91.6 4.66 6.76 93.6 2.46 4.66 4.66 4.66 4.66 8.96 4.66 4.66 4.66 40.66 4.66 4.66 4.66 93.0 98.7 1.86 98. Al 4.66 4.66 4.66 4.66 4.66 93.6 2.46 4.66 4.66 4.66 93.6 96.8 99.66 99.66 98.1 7.86 4.66 98. ۸I 39.4 39.4 39.4 39.4 39.4 39.4 36.1 36.8 36.8 39.4 39.4 39.4 39.4 36.1 39.4 39.4 36.1 36.1 38.1 38.7 36. 38.7 2 VI VI 00091 00091 1800 1200 80 20000 V V V 900 000 000 2000 3500 88 88 88 (FEET) 4500 2000 88 999 ALAI AI AI AI AI ALAI ALAI AI AI ALAI ALAI

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET

2500

5703 CEILING VERSUS VISIBILITY JAN 7

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

MAR

ALL HOURS (LST.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		6	-	2	1	2	00	0	9	-	0	-	•	100	1	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	٨١	83.	00	90.	90.	92.	92.	96	. 46	96	97.	.86	.66	66	66	66	66	00	00	00	00	00	00	00	00	00	00	00	8	00	00	00	00
		6	-	5	-	-	00	0	0	-	0	-	m	0	-	-	0	0	70	6	6	0	승	0	6	0	70	0	6	70	6	3	증
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	8	83	0	06	0	92	2	76	56	9	97	86	0	66	66	66	66	00	00	00	00	00	00	00	00	00	8	00	00	00	00	0	0
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		0	-	5	1	10	œ	0	0	-	0	-	m	86)	-	-	0	0	0	0	0	0	0	0	0	0	8	o	6	0	0	0	0
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	Al	83	06	90	06	26	92	16	76	96	26	86	66	66	66	66	66	00	8	00	00	00	00	00	8	00	8	00	8	00	00	00	00
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	-	3.	0			2		4	4 .		-			6			6	0	0	0	0	0	0	0		0	0	0	0	0		0	
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VISIBILITY (STATUTE MILES	_	8	0	3	1	3	~	0	3	0	0	0	2	2	0	0	00	6	6	6	5	6	5	6	6	6	6	6	6	6	6	6	6
1	7.	3	0	0	0	2	2		*	0	96	8		0	66	66	66	66	6	66	6	6	6	66	6			6		6	6	6	6
7AT	۸I	8	0	6	0	9	0	0	0		_	0	•	0	0	0	0	6	0	0	0	0	0	6	0		0	6	0	0	0	2	
(S)	1%	8	0	3.				6.	.5	0			.2	.2		9.	3	6.	5.	6.			0.	6.	0	6.		0.	6.	6.		6.	.9
5	Ā	83			06		35	63		96	96	86	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66		66	66		66
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	× 2%		0				2		36	5	0	-	0	6	6	66	66	66	6	66	6		6	66	0			6	66	6	0	6	6
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		0	7	3	10	4	3	0	3	-	7	-	50		F	-	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
	AI O	3	39	6	0	-	7	33	33	3	9	-	8	30	8	8	6	6	0	0	6	6	6	6	0	6	0	6	0	0	0	66	0
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TOTAL NUMBER OF OBSERVATIONS

1240

YUMAS ARIZONA

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02 HOURS (1.5.T.)

APR

CEILING							VISI	BILITY (ST	VISIBILITY (STATUTE MILES)	ES)							
(FEET)	2	9	× 11	7	E AI	2 2%	N AI	¥1 ¥1	VI VI	~	AI N	* AI	Z AI	≥ 5/16	٨١		٨١
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> 20000	38.7		0.46	0.46	94.0	0.46	0.46	0.96	94.0	94.	10 96 0	0 94 0	0.46 0	94.	16 0	000	*
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14000	38.7	0.46	0.46	0.46	0.46	0.76	0.00	0.46	0.46	94.	0 94.	0 940	. 96 0	0 94.	15 0	000	*
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8	40.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.	3 97.	3 97.	3 97.	3 97.	3 97	.3	1.
1	40.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.	3 97.	3 97	3 97.	3 97.	3 97	.3 9	
141	40.0	97.3	97.3	97.3	61.3	97.3	97.3	97.3	97.3	97.	3 97.	3 97	3 97.	3 97.	3 97	.3	-
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88	40.0	100.0	100.0	100.001	100.01	00.00	00.00	0.00	100.0	100.	0100	0100	0010	0100	0100	010	00
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700	40.0	40.0100.01	100.0	100.001	00.00	00.00	00.00	0000	100.0	100.	0100	1000	0010	0100	0010	.0100	0
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TOTAL NUMBER OF OBSERVATIONS

150

188

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05 APR

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TOTAL NUMBER OF OBSERVATIONS

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YUMAS ARIZONA

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## CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23195

YUMAS ARIZONA

HOURS (L S T APR MONTH 08

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATICINS)

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TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23195

73-77

PERCENTA (FRC

11 HOURS (LST.)

TAGE FREQUENCY OF OCCURRENCE	ATIONS)
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>	7					0			0		•	•										•		.0	•	•	•	.0		0	3	00	1
	Al	92		95	0	96	6	98	98	86	98	86	86	86	8	66	6	66	00	0	00	00	00	00			00	00	00	00		00	Ί
		0	-	-	-	•	~	-	m	-	m	2	0	0	0	-	-	-	m	5	<u>E</u>	6	3	6	2	0	0	6	6	2 4	,	30	1
	1 2%	2	4	*	4		9	-	2	-	26		86			8	62	8	6	•	6	6	6	6	0		6	6	6	6 0		0	1
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	~	0	4.	•	:		6.1	•	-		6.1	•				8.		•	6	-	9.3	•				-							I
	ΛI	26		96	5	0		Ó	6	C'	0	0	6	6	36		č	86	6	66	6	66	6	66	66		66		66	66		6	I
		0	-	-		54.0		-	m	m	1	3	0	0	0		-	-	10	3	m	-	0	0	~		1		1	7 0	4	9 00	1
	AI	35	46	34	46	35	96	-	10	16	16	16	98		86	86	00	86	66	66	66	66	66	6	66	5	66	66	6	66	9	66	١
		0	~	-	F	m	~	3	m	7	3	7	0	0	0	-	K	~	m	-	m	-	7	7	7		-	3	-	W 6		1 1	1
	90	3.	•	:	:	:	•		2																•				•				1
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	AI	36	30	36	*	95	96	16	97	16	97	16	98	86	98	86	98	86	66	66	66	66	66	6	66	66	66	66	66	66	20	6	1
					-																											-	1
	2										•																				•		
	Al	6	0	-	0	0	0	0	0	•	0	6	0	-	0	0	0	0	0		0	6	0		0		0	6	0	0	. 0	0 00	I
		9							_		_	_	_		_		_		_		_	_		_		_		_			1		1
CEILING	EET)	CEILING	8	90	16000	400	12000	8	8	00	700	9	2000	4500	8	3500	300	2500	2000	180	1500	1200	8	8	8	8	ğ	8	ğ	88	1	80	1
8	•	ON ON	٨I		A		i		A		IAI		1		1 1		M	1	IA		AI	Al	AI	Al	Al	AI	Al	Al	Al	Al	NI	AI AI	1
		Ľ	_	_		_		L	_				_	_	_	_	_							_				_					1

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

APR

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MIL	(ES)							
(FEET)	5 7	9 11	\$ 1	* AI	E A1	≥ 2%	1 2	¥1 ¥	¥1 ¥	- AI	AI	* Al	VI Z	2 5/16	۸۱ 2	2	0 1
NO CEILING		88.0	88.0	88.0	88.0	68.0	88.7	88.7	88.7	88	88	7 88	88	7 88	.7 88		88.7
≥ 20000		92.0	92.0	2	92.0	2		92.7		-	1 92.	7 92.	7 92	7 92	.7 92		92.7
		92.0	92.0		92.0	92.0	92.7	92.7	92.7	92.	92.	7 92.	7 92		6 1		92.7
00091 1		92.7	92.7	92.7	92.7	92.7	93.3	93.3	93.3		3 93.	3 93.	3 93	3 93	3 93	8.3	93.3
		92.7	1.26	92.7		92.1		93.3	93.3	93.	93.	63	€ 63	3 93	3 9	3.3	93.3
12000		93.3	93.3	93.3	93.3	93.3		0.46	0.46	94.	96 0	96 0	76 0	4	00	0.4	0.46
		93.3	93.3	93.3	93.3	3				94.	94.	56	60	46	6 0	0	0.06
900		93.3	63.3	93.3		93.3	0.96	*	0.56	94.		0 94.	\$6 0	96 0	00	0	94.0
		93.3	63.3	63.3	93.3	93.3				94.	. 76	*6	0	46	60	0	94.0
141		7.46	1.56	94.7	7.46	94.7	95.3	95.3	95.3	95.		3 95.	3 95	3 95	0.	2	95.3
1		96.0	0.96	0.96	96.0	96.0		1.96		96	96	96	6	96	6	1	7667
800		98.0	98.0	98.0	98.0	98.0	8	98.7	98.7	98	1 98.	7 98.	7 98	7 98	1 98	1	98.7
		98.0	0.86	98.0		98.0		48.7	7.86		86	1 98.	1 98	7 98	86 4.	1.	98.7
1 41		7.86	1.86	98.7	98.7	98.7		66.3	99.3	66		€ 88.	3 99	3 99	€ 3	.3	99.3
1		98.7	1.86	98.7	1.86			66.3	99.3	66	66	3 99.	66 E	3 99	9 99	63	69.3
3000		80.3	E . 66	66.3	86.66	86.3	•	100.001	100.0			0100	0010	0100	0010	0	000
		€ 66	66.3	66.3	66.3	66.3		0.	100.0	100	100	0100	0010	0100	0010	10.	0.00
141		E . 66	66.3	€ 66	66.5	4		0000		100	100	-		0100		10.	0000
1		89.3		66.3	6	66.3		0000	100.0	1001	100	0010	0010	0100	0010	0	0000
130		66.3	66.3	66.3	66.3	66.3	100001	100.001		0	100	0100	0	0100	.0100	10.	0000
		66.3	666	66.3	60.3	6.66	100001	100.001	100.0	1001	0100	0010	0010	0100		0	0000
00		66.3	66.3	66.3	66.3	4	100.001	100.001	100.0	0	100	0010	0010	0100	.0100	0	0000
		66.66	6		66.3	66.3	100.001	100.001	100.0	100	0100	0100	0100	0100	0010	9	0000
8		66.3	66.3	66.3	6.66	w		0		100.0	100	0010	0010	0100	0010	10.	0.00
		66.3	66.3	66.3	66.3		0	0	0.001	1000	.001K	0010	0010	0100	-	10.	0000
8		86.66	66.3	66.3	66.3	86.3		0	100.0	0	0100	0100	0010	0100	00100	10.	0000
		66.3	6	66.3	6.66	60.66	100001	100.001	0000	0	0	0010	0010	0100		0	0000
141		66.3	66.3	66.3	66.3	66.3		100.001	00.00	0	100	0100	0100	0100	0010	0	000
		66.3	666	60.66	66.3	66.3	100.0	00.00	0000	100.	1001	0010	0010	0100	0100	0.010	0000
8	89.3	66.3	66.3	86.66	66.3	66.3	100001	100.001	0000	100,0	100	0010	0010	0100	010	0.0	000
1	-	66.66	6.66	86.3	66.3	66.3	100001	00.00	0.001	1001	0010	0010	0010	0100	0100	0.010	0000
111		99.3	66.3	66.3	66.3	99.3	100.001	100.00	0000	100.0	100	0010	0010	0100	0100	0.010	000
		1	1	1		1					1	1	100			1	

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17 APR

	AI N	.0 88.	20	.7 94.	1.	.3	.3 9	.3 9		.7 9	.3	.7 9	6 1.	.7 9	• 3 9	10.	010.	.010	0	.0	0	010.	10.	010.	10.	010	10.	.010	•0100	3	.0100
	5/16	8.0.4	0	0	6 1.	15.3 95	.3 9	63	600		.3 9	. 1 9	.7 9	-	.3 9	001000	0	0.	10.	.01	10.	00.0100	10.	0	10.	9	0	.01	00100		0.0100
	AI SE AI	88.08	_	4.7	1.	5.3	.3	5.3	0	6.7		8.7	1.8		6.3	00.010	0	0	0	6	0	00.010	10.	0	10.	9	9	0.01	00.010		00.010
	* 1	0.88.0	96		. 76	3 95.3	95.			96		98.		1 98.7	.66	0100010	100	100	100	100.	100	0100.01	100	100	100	100	1001	100	100.0010	000	100.01
	AI	88.0	76	7 94.	94.	95.	95.	95.		96				7 98.	66	100	100,		100	100	100		100	100	100	100	100	100	0100		0100
MILES)	- AI	3 86.	96	94.	94.	5.	98.		96	96		3	98.	98.	66	100	100	0	100	100.	100	3100.	100	100	100	100.	0	100	3100.		3100
(STATUTE A	V 1	3 87	1	0	0	0	1 94.		95.	96	96	98.	98	86	98.	66	66	66	66	66		3 99.			€ 66	9	3 66 €	.66	3 99	• •	3 99.
VISIBILITY	V. V.	3 87	1	96 0	3	7 94.	1 94.		3 95.			0 98.	_			3 99.						3 99.					3 66 €		3 99.	3 00	3 99.
	1	8 87	6	0	6	7 94.	6	1 94.	0	0 96	0		6	0	6		0	0	3 99·	0	€ 66	0	0		3 99.		66 €		3 99	96 6	€ 86
	1 2%	3 67	0					1 94		-								3 88				€ 86							900	3 99	3 99
	VI S	3 87	0	76 0	0				3 95				86 0				66 €		66 6		66 6		66 6		66		66 E		3 99		3 66
	1 1	7 87			96 €.	•0 94	\$6 D.	0		·	0	•	•	m	0	-		66 1.				-	66			61.	66 1	6 1.	-	60	7 99
	AI	98	6	0	6	6	96 O.	0	1.	· m	0	•		-	0	F.	•					-	FI	-	-	-	-	-	000		.7 98
	A1 2	7 86.	-	7	m	0	\$6 000	0	*6 L.	7	96 000	·		m	0					-			-	-	-		-	-	000	-	F
0	AI	NG 86	+	_	93		. 46		_		96 0				96 0		96		96 0			+		+		-	96		9 6	+	9
CEILING	(FEET)	NO CEILING	Val. V	1 1		≥ 12000	2 10000	8		> 7000		2000		1 400		3000		7 2000	2 1800		1200	71	% Al		71	71	95 A1	4	88		8°

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TOTAL NUMBER OF OBSERVATIONS

150

0111

## CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME YUMAS ARIZONA

23195

73-77

YEARS

HONTH

20 APR

2

				PERCENTAGE FREQUENCY (FROM HOURLY OBS	FROM	FREQUE	UENC ILY OB	₽ ₽	NCY OF OCCURRENCE OBSERVATIONS)	RENCI 5)	w				20 HOURS (1.5.7	
CEILING							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES	ES				ŀ		
(FEET)	2	9	\$0 A1	7,1	6 1	¥ 2%	% AI	۲۱ ۲۲	¥1 Y	- AI	% Al	*	× AI	≥ 5/16	AI N	0 1
NO CEILING	40.0	90.	1.06	1.06	61.3	91.3	616	91.3	91.3	91.3	6116	6163	61.3	91.3		6163
× 20000	42.0	94.	95.3	95.3	96.0	0.96	96.0	0.96	0.96	90.0	0.96	0.96	0.96	0.96		0.96
	42.0	94.	95.3	62.3	0.96	0.96	96.0	0.96	0.96	0.96	0.96	0.96	0.96		0.96	0.96
14000	42.0	94.	95.3	95.3	0.96	0.96	0.96	0.96		96.0	0.96	0.96	0.96	96.0		0.96
	42.7	95	0.96	0.96	1.96	1.96	1.96	1.96	1006	96.7	1.96	1696	1.96	96.7	4001	1.96
17000	43.3	96	1.96	1.96	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
1 -	43.3	96	1006	1.96	97.3	97.3	97.3	97.3		97.3	97.3	97.3		97.3	97.3	97.3
8	64.0	97.	98.0	98.0	7.86	98.7	666	99.3	99.3	66.3	66.66	86.3	66.3	99.3	66.66	666
1	44.0	97.	0.86	0.86	1.86	98.	99.3	66.3	66.66	666	6066	666	66.3	99.3	66.66	99.3
1 11	44.0	97.	98.0	98.0	98.7	7.86	8.66	66.3	99.3	66.3	66.3	666	66.3	99.3	99.3	99.3
1	44.0	97.	0.86	0.86	1.86	98.7	66.3	66.3	99.3	99.3	68.3	666		99.3	66.66	66.3
200	44.0	97.	98.0	98.0	98.7	98.7	99.3	99.3		866	6.66	66.3	66.3	99.3	99.3	66.3
1	44.0	97.	0.86	98.0	98.7	98.	6.66		99.3	666	99.3	6663	66.3	66.3		66.3
1 1	44.0	97.	98.0	0.86	98.7	98.7	99.3	66.3	66.3	66.3	99.3	88.3	66.3	99.3	66.3	99.3
	44.0	98.	98.7	98.7	66.3	6.6	100.0	0.0010.001	100.0	10000	100.001	10000	10000	00001	100.0	0.00
300	44.0	98	7.86	7.86	66.3	66.3	100.0	100.00100.001	0.00	100	0100.0010	100.001	0	0000	_	0.001
	44.0	98	1.86	98.1	6.66	66.3	0.001	0.0010	8	100.0	100.00	0100.01	00.00	00	0.0010	0.00
2000	44.0	98	98.7	98.7	99.3	866		100.0	0	00	0100.0010	0	00.00	00	100.0	0.001
1	44.0	98	186	98.7	6.66		100.0	0100.01	0	00	0100.0010	00.00	0000	00	0.0010	0000
1500	44.0	86	98.7	98.7	66.3			0100.01	00	0100.0	0100.01	0100.01	100.001	100.0		0.001
1	44.0	98	98.1	1.86	66.3	86.3	100.001	00.00		0.0010		0100.01	00	0.001	100.0	0.00
9	44.0	86	98.7	98.1	66.3	86.3	100.0	00	0100.0	100	0100.0	.0100.01	100.001	100.0	100.001	0000
	44.0	98	1.86	98.7	66.3	80.3	100.0	0.0010.	0.0010	0.001		0100.01		0.001	001	0.00
8	44.0	96	98.7	98.7	66.3	66.3	100.0	0100.01	00.00				0	100.0	100.0	00.00
	0.44	98	198.1	1.86	6.66	6.9	0	100.0	0	100.0	•	0	0	0000	100.0	0.00
9	44.0	98.0	98.7	98.7	66.3	99.3	100.001	0100.0	100.001	100.0	100.001	100.001	100.00	100.0	100.0	0.001
	1.7		0	-	1	1	1	2	4		2	N. CK	200	*	4	0

0

TOTAL NUMBER OF OBSERVATIONS

150

100

66.3 66.3 66.3

7.86

98.7

98.0 0.86 98.0

44.0 44.0 0.44

88 ALAI

98.0

0.44 0.44

98.7

66.8

98.7 98.7

1.86

98.0 98.0

0.95

88

0

98.7 1.86 66.3

7.86

7.86

80

ALA

0

98.7

1.86

## CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23 HOURS (1 S.T.) APR

2

	٨١	96.	34	97.	97.	98.	98.	98.	98.	98.	98.	99.3	. 66	99.3	99.3	00	000	900	3000	900	30.00	000	000	00	000	000	00.	00	00	00	000
	2	- 6		m	.3	0	0	0	0.	0.	0.		.3		.3	000	010	6	·orc	000	0	• 010	100	010	10.	10.	10.	100	10.	0.	00
	AI	96	16	16	4	86	96		98		96	66	66	66	66	100	100	100	001	100	100	100	001	100	100	100	100	100	100	001	000
	5/16	7.3	6	7.3	1.3	8.0	8.0	8.0	0.8	8.0	8.0	6.6	6.6	6.3	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00
	AI	00	0	0	3 0	0	60	0	0	86 0	96 0	3 99	3 99	3 99	66 €	0010	0100	0100	-	0100	0100	0100	0100	0100	010	010	010	0100	010	010	0100 0100
	N N	96.	97.	97.	16	98	86	98.	. 86	. 86	98	66	66	66	66	00	00	00			00	00	00	00	00	00	00	00	00	00	100
	*	- 6	.3	m	.3	0	0	0	0	0	0	m	.3	6	.3	0	10.	0	0	0	0.	10	0	0	10	0	0	0	0	0	00
	AI	96	97	97	6	86	86	86	86	96	86	66	66	66	66	100	100	100	100	100	100	100	100	100	001	100	100	100	100	8	100
	*	7.3	7.3	7.3	7.3	0.86	8	8.0	98.0	98.0	98.0	99.3	9.3	9.3	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	00
		00	3	0	3 9	0	60	6	60	0	6 0	3	3 99	3 99	3 69	0010	0100	0010	010	0100	010	0100	010	0100	010	010	010	0100	010	010	0010
G G	Ā	96	97.	97.	97.	98.	98	98	98.	98.	900	66	66	.66	.66	.00	00	00	00	.00	.00	.00	.00	.00	00	.00	.00	.00	.00	00	.00
VISIBILITY (STATUTE MILES)	7.	- "		3		0	0	0	0	0			.3		.3	10.	.0	0.	0.	6	10.	.01	0	.01	10.	0	0	0.	0	0	90
TATUT	Al	96	16	10	16	86	96	96		96		66	66	66	66	100	100	100	100	001	100	100	001	100	001	100	001	100	100	001	001
ITY (S	7 %	6.7	17.	17.3	. 3	8.0	8.0	8.0	0.8	8.0	0.8	6.6	6.6	99,3	6.6	00.00	0.0	000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00.0	00.0	0	0000
VISIBI		2 6	3	19	5	50.	0	0.	5	0	3	6	3	8	0	010	010	010	010	010	010	010	010	010	010	010	010	010	010	010	010
	AI	96	6	0	24	98	40	00	8	98	96	66	66	66	66	001	00	001	001	001	001	001	000	00	001	001	00	001	00	00	000
	2,7	1.0	7.3	7.3	6.1	8.0	0.	8.0	8.0	8.0	8.0	6.3	6.6	6.6	6.6	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	00
	AI	20	3	0	3	0	6		86 0	98	96 0	3 60	9 6	3 80	3 99	0100	0100	0100	010	0100	010	010	010	010	010	010	010	010	010	0010	0010
	AI	96.	.16	.16	. 16	98.		98.0	98.	98	.86	.66	.66	66	.66	00	100	00	00	00	.00	00	000	00	.00	.00	00	00	00	00	100
	-	- 10	100	m		0	0	0	0	0	0			10	ic)	0	0.	0	0	0	10.	0	0	0	10.	0	10.	10.	0	0	0.
	AI	96	97	97	97	96	98	98	98	86	98	66	66	66	66	100	100	100	100	100	100	100	100	100	100	100	100	100	100	001	100
	50	1.9	.3	7.3	1.3	8.0	8.0	0.86	0.86	98.0	98.0	6.6	66.3	99.3	99.3	0.00	0000	0000	00.00	00.00	0000	00.00	0.0	000	0.0	00.00	000	00.0	000	00.00	0.00
		01	-	-		W	-	<u></u>	60	m		6	-	-	-	3	3	3	3	3	3	-	3	9	16	3	3	3	- ·	-	OIE
	Al	96	96	96	96	97	44	97	97	97	6	86	98	98	96	66	66	66	66	66	66	56	66	66	66	66	66	66	66	66	66
	9	39.3	9.3	6	39.3	6.3	39.3	6.6		39.3	39.3	6.3	6.3	39.3	6.3	6.3	6.3	6.3	29.3	6.3	6.6	6.6	6	6.6	6.9	6.3	6.6	6.6	6.6	6.0	39.3
	AI	-	3	-	-	m	3	•	m	~	3	2		•	~	~	9	-			3	•	2	5	-	m (	2	•	9 6	-	9 10
CEILING	(EET)	NO CEILING	1000	9009	4000	12000	0000	9000	8000	2000	9009	2000	4500	4000	3500	3000	2500	2000	1800	1500	1200	000	8	8	200	90	200	400	38	300	80
	=	9 A	^	I AI	^	IAI		AI	٨	IAI	٨	IAI	^	IAI	٨١	IAI	٨١	AI	AI	۸I	Al	AI	Al	٨١	۸۱	AI	AI	۸I	Al	AI	ALAI

TOTAL NUMBER OF OBSERVATIONS

150

97.8

6.66

.66

97.3

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

73-77

HOURS (L S T. APR ALL MONTH

٨١

100

0.0010.00100.0100.0100.0100.0100.0100.0100.0100.0 9096 4.66 6.66 6.66 6.46 95.3 97.3 97.8 98.2 66.3 6.66 66.3 95.5 1.66 9096 97.4 95.3 4.66 97.3 86.3 6.96 95.5 0.16 97.8 98.2 € 66 1.66 6.66 2 5/16 9096 0.70 4.16 4.66 95.3 6.66 6.46 95.5 97.3 98.2 66.3 8.16 66.3 4.66 66.6 66.6 66.6 6.66 2 AI 96.6 4.66 97.3 4.16 66.3 95.3 8.16 80.66 6.66 4.66 94.9 98.2 \* 0.76 4.66 96.0 61.3 95.3 4.16 66.3 7.26 6.46 95.1 95.5 97.8 2.86 66.3 6.66 1.66 × ٨I PERCENTAGE FREQUENCY OF OCCURRENCE 97.4 66.3 0.76 4.66 96.6 97.8 6.96 1.56 95.3 98.5 97.3 98.2 66.3 6.66 1.66 9.66 ٨I VISIBILITY (STATUTE MILES) (FROM HOURLY OBSERVATIONS) 97.3 0.56 95.4 97.3 95.2 96.5 96.5 2.66 2.66 66.3 8.66 6.96 8.46 98.1 8.66 7.16 17 61.3 99.2 4.66 6.66 6.66 6.66 97.7 1.86 8.66 8.66 6.66 95.2 66.3 9.66 6.66 6.96 6.96 2.66 92. 95.4 96.5 0.66 6.66 95.0 98.5 87.3 6.66 94.8 86.66 6.66 6.66 97.3 7.16 2.66 6.66 2.66 90.66 6.66 8.66 98.1 14 95.3 97.1 97.4 9.66 96.3 97.8 6 86 60.66 966 99.1 1.66 2.66 1.66 1.66 66 66 6.96 95.0 6.96 97.0 97.8 99.6 1.16 4.16 66.3 98.3 96.8 98.9 1.66 9.66 1.96 7.66 1.66 1.66 6.6 1.66 ۸I 5.66 94.5 96.3 6.96 98.8 66 66.5 8.76 97.3 6.86 2.66 7.66 2.96 98.8 7.66 60.0 95.1 97.7 66.5 99.5 AI 96.8 2.16 1.66 4.66 4.66 0200 1.96 6006 8.96 91.6 98.8 0.46 98.7 4.66 4.66 4.66 € . 66 € . 66 .86 ۱۸ د 6.86 94.3 4.56 94.6 94.8 6.56 9006 97.0 97.4 98.5 98.7 3.66 3066 66.3 89.3 96.3 98.5 66.3 66.3 866 96 66 ٨١ 9.69 2.89 4.69 8.69 66.8 0.10 67.8 68.8 €.69 69.3 8.69 8.69 8.69 8.69 8.69 63.4 8.69 68.1 2 ٨I NO CEILING VI VI 00081 00081 (FEET) 20000 X 12000 900 2500 2000 3500 200 800 88 2000 4500

AI AI

AI AI

ALAI

AI AI

AI AI

AI AI

AI AI

AI AI

TOTAL NUMBER OF OBSERVATIONS

1200

0.0010.0010.0010.0010.0010.0010.0010.0010.00

6.66

6.66

6.66

66

66.2

66.3

9.69

88

ALAI

6.66

1.66 1.66

1.66

90.8 66.5

4.66

66.3

8.69

88

AI AI

1.66 1.66

4.66

6.66

8.69

6.66

1.66

7.66

99.3

4.66

€ 66

8.69

ALAI

6.66 6.66

66

1.66

66.8

4.66

66.3

0.0010.0010.00100.0010.0010.0010.0010.0010.00

0.0010.0010.0100.0100.0100.0100.0100.016.66

0.0010.0100.0100.0100.0100.0100.0100.0100.0 0.0010.0010.0010.0010.0010.0010.0010.0016.66 0.0010.0010.00100.00100.00100.00100.00100.00

6.66

6.66 6.66

7.66

1.66

99.8

6.66 6.66

66

1.66

66.5

66.3

8.69

86.66

8.69

8 3

AI AI

66.66

1.66

7.66

8.66

4.66

66.3

8.69

80

ALAI

6.66

23195

YUMA, ARIZONA

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILL, NC

YUMA, ARIZONA 23195 STATION

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAY MONTH 02 HOURS (1.5.7.)

2							VISI	VISIBILITY (STATUTE MILES)	NTUTE MI	LES)							
(FEET)	5 VI	o Al	so Al	AI AI	e Al	> 2%	2 1	VI 2.7	YI XI	Ā	AI N	N N	Ā	% N %	S/16	3	0 11
NO CEILING	52.9	8.46	94.0	3.96	1.96	1.96	1.96	96.1	96.1	96	1 96	1 96	1 96	96 1	1 96	1.9	96.1
≥ 20000		96.1	1.96	96.1	97.4	97.4	97.4	97.4	97.4	97.	4 97.	4 97,	4 97	.4 97	6 4.	104	97.4
			1.96		4.16		4.16	4.76	4.7.6	97.	4 97.	4 97.	16 5	16 4.	4.	1.4	97.4
≥ 16000			8.96	96.8	98.1	98.1	98.1	98.1	98.1	98.	1 98.	1 98.	1 98	.1 98	7.	7	98.1
> 14000			4016	4.16	1.86	98.7	286	98.7	98.7	98.	1 98.	1 98.	86 /	.7 98		7.86	98.7
2 12000			98.7	7.86	100.0	100.0	100.001	100.00	0000	100	0100	0010	0010	.0100	.0100	0.0	000
		98.7	98.7	1.86	0.001	100.0	100.0	0.001	0.001	100	0100	0100	0010	.0100	00100	10.	00.00
0006		98.7	7.86	98.7	100.0	100.0	100.0	100.001	0.001	100.	0100	0100	0100	.0100	00100	0.	00.00
		7.86	08.	7.86	0.001	100.0	100.0	100.001	0.001	100	0100	0100	0010	.0100	010.	0	00.00
141		98.7	98.7	98.7		100.0	100.001	100.0	100.0	-	0100	0100	0010	.0100		6	0000
1		78.7	98.7	98.7	0.001	100.0	100.001	0.001	0.001	100	0100	0100	0010	.0100	010	10.0	000
2006		98.7	1.86	7.86	100.0	-	100.001	100.001	00001	100	0100	0100	0100	.0100	010	0.01	000
		98.7	1.86	1.86	100.0	100.0		_	0000	100	0100	0010	0010	00100	00100		0000
100		98.7	98.7	98.7	0	100.0		100.001		100	0100	-	0010	-	00	6	000
1		98.7	1.86	98.7	100.0	100.0	10000	100.0	0000	100	0100	0100	0010	.0100	.0100		000
300		98.7	7.86	98.7	0	COL		100.001		100	0100	-	0010	-	0	0	00.00
		98.7	1.86	98.7	0.001	100.0	100	100.00	0.001	100	0100	0100	0010	-	00100	9	000
141		98.7	48.7	98.7	10000	100.0	0	100.001	100.00	001	.0010	.0010.	0010	.0100	•	50	000
1		98.7	98.1	98.7	100.0	100.0	10000	0.001	0000	.00	0010	0010	0100	0010.	00100	0	000
1 1 300		98.7	1.86	98.7	100.0	100.0	0	100.001	100.0	100.	0100	0100	0100	.0100	.0100	0	000
		98.7	98.7	1.86	0.001	100.0	100	0.001	0000	100	0100	0100	0010	.0100	00100	0.01	000
1 1 1		98.7	98.7	98.7	10000	-		100.001	0.001	100	0100	0100	0010	.0100	6	6	000
		98.7	1.86	98.7	0.001	100.0	100.001	100.00	0.001	100	0100	0100	0100	.0100	00100	0	00.00
8		98.7	98.7	98.7	100.0	100.0	100001	100.0	100.0	100	0100	0100	0010	.0100	0010	9	00
		98.7	1.86	1.86	100.0	100.0	100001	100.001	0.001	100	0100	0010	0010	00100	00100	_	000
8		7.86	7.86	98.7	100.0	100.0	100.001	100.001	0.001	100	0100	0100	0100	.0100	010	0.01	000
		98.7	98.7	186	0.001	100.0	100.0	0.001	0000	100	0010	0100	0010	0010.	00100	10.0	00.00
141		98.7	98.7	98.7	100.0	100.0	100.0	100.001	100.0	100	0100	0100	0010	.0100	010	10.0	00
	24.8	7.86	1.86		0.001	100.0	10000	100.001	0.00	100	0100	0010	0010	.0100	00100	0	000
700	•		68.7	98.7	100.0	100.0	100.00	100.001	100.0	100.	0100	0100	010	.0100	.01	0	00
71	34.8	98.7	1.06		0.001	0.001	0.001	0.001	0.00	01	0010	0010	0010	0100	10.	0	000
	•	-	28.	100	0000	100.0	0.001	00.001	0001	1001	0010	0100	2010	00100	0070	0.0	00

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HAY

0.5 HOURS (1.5.T.)

	0	1.6	6.8	6.8	6.8	4.4	8.7	8.7	8.7	0.0	000	0.0	000	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	000	0.0	000	0.0	000	0.0	00.00	0.0
		6 9	8	8	0	6 4	0	4	1 9	010	010	010	070	010	010	010	010	010	010	010	응	010	910	010	900	010	9	010	000	00	010	010
	7	-	;	9	0	-	8	8		0	0	00	0	0	0	0	0	0	0	0	•	:	0	0	0	0	0	0	3	0	9	000
		9	8	8	9	6 3	6	6	4	010	070	5	010	016	010	016	010	010	60	010	500	010	9	010	9	010	200	010	orc	010	010	010
	5/16	-		.9		1	8	8		0	0	00	00	.00	00	0	00	0	00	0	00	.00	00	00	00	0	0	0	00	0	00	00
-	Al	6	8	8	0	5 3	5	5	5	010	010	010	200	910	010	010	010	010	010	010	010	010	8	010	910	010	900	010	50	6	3	010
	2 11	16	. 96	.0	90	E	98.	8	98	00	00	00	00	90	00	00	00	00	00	00	8	00	00	00	0	00	0	00	00	0	9	0 0
-			00	8	80	9	~	-	-	0	7	0	70	0	6	0	픙	6	70	6	3	0	3	0	읂	0	9	6	7	010	0,0	010
	*	-	96	.96	96	-	98	98	98.	00	00	00	00	90	00	90	00	00	00	900	00	90	00	00	00	90	ò	00	è	0	0	000
		_	_	8	10	*	~	-	-	0	8	5	0	5	70	0	6	5	3	ö	6	5	3	50	3	0	70	6	7	5	5	010
	VI N	6	96		96	16	.86	86	98	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	90	00	0	9	00
1		0	8	80	80	3	-	-	-	10	70	0	70	0	6	10	10	0	10	10	0	10	0	0	6	10	0	0	8	6	6	10
8	Ā	16	96	96	96	16	96	86	86	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	0	000
VISIBILITY (STATUTE MILES)	7.	9	00	8		4		1.	-	0	6	10.	60	10.	10.	0	0	0	000	10.	0.	0	10.	10.	6	10.	6	10	5	6	5	0
TUTE	ŽĮ.	6	96	96	96	6	86	86	86	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	8	00	00	00	8	00
15	7.7	0		8	. 8	3.				0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0	00
T I	AI	6	96	96	96	6	98	86	96	100	100	100	100	100	100	100	100	100	100	100	100	001	001	001	001	100	00	001	001	00	8	001
VIS	~	0	•				1.	10		0	0	0	0	0	0	0	0	0	0	0	0	0.	0	0	0	0	0	0	0	0	•	00
	ΑI	6	96	96		6	98	86	98	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	00	100
	21/2		5.8	6.8	8.9	4.	8.7	8.7	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0 0
	۸I		6	6	2	6	6	6	6	ŏ1	100	100	100	100	100	100	100	01	-	10	100	100	100	100	100	901	100	ŏ	207	ŏ.	ğ	100
		3	6.9	6.8	8.9	4.4	8.7	8.7	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9	0.0
	٨١		6	6	0	0	0	6	0	010	1000	0016	100	010	1000	010	100	010	10	010	010	01	10	001	10	010	010	010	010	01	0	0016
1	AI	-	9	9.	9.		8	9	8.	0.0	0	0.0	0.0	0.0	0	0	0.0	0	0	0	0.0	0	0	0	0	0	•	0	0.0	0	0	00
-		6 9	8	9	0	4	0	~	0	010	910	010	010	010	010	010	010	010	010	010	010	010	010	010	010	010	010	010	010	010	2	010
	S)	-	96	96	96	37.	.86	.86	98.	00	00	90	000	00	00	30.	.00	00	00	00	.00	00	.00	00	000	20.	.00	9	.00	90	•	00
		-	<b>60</b>	40	8	3	-	-	-	1	0010	E	0	0	000	0	~~	010	$\overline{}$	.01		0		7	$\overline{}$		~	10	0	-		
	۸I	91.	96	96	96	97	98.	6	98	00	00	00	00	00	00	00	00	100.	00	00	00	00	00	00	00	00	00	00	.00	001	•	000
-		1.	-		4	3	-		-	5	5	16.	6.	16.	16.	6.	.91	6.	5	5	.91	.91	. 91	16.	-	. 41	6.	3	91	5		5 6
	VI S	37	29	39	29	00	00	90	00	6	5	6		0	61	0	10	6	10	6	10	0	0	10	9	6		0	5	6	-	6 5
0		OZ.	2		•											-	-	0		0		0		•								0.0
CEILING	(PEET)	NO CEILING	20000		16000		12000		8	1	7 80	1	8		8	1	3000	1	2000	180			98		8		8		8	300		8.
0		12	AI	٨١	M	^	IAI	1	IAI	^	IAI	^	I AI	^	IAI	^	I	1	M	AI.	٨١	Al	AI	Al	٨I	٨١	AI	٨١	AI	AI.	۸I	MA

TOTAL NUMBER OF OBSERVATIONS

155

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

08 HOURS (1.5.7.) MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) YUMAS ARIZONA STATION MANE

CEILING							SIV	VISIBILITY (STATUTE MILES	ATUTE MIL	ES)						
	2	o Al	S AI	4	N AI	1 2%	N AI	VI 52	¥1 VI	Ā	% Al	*	Z Al	≥ 5/16	* *	0 11
	1.68		6.06	6006	6.06	0.16	91.0	0.16	0.16	91.0	91.0	91.0	0.16	91.0	0.16	016
≥ 20000			65.3	6.26	92.3	92.9	92.9	92.9	2	92.9	92.9	92.9	6.26	92.9	92.9	92.9
			92.3	2.		92.9	2.	2.	2.	6.26	6.26	2.	92.9	92.9	2.	92.9
≥ 16000			93.6	93.6	93.6	94.2		34.5	2.46	94.2	94.2		94.2	94.2	2006	2.46
			1006	1096	1.96	96.8				96.8	96.8		96.8	96.8		96.8
12000			97.4	97.	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	1.96	98.1	98.1	98.1
			98.1	1.86	1.86	98.7	48.7	98.7	98.7	98.7	98.7	98.7	1.86	98.7	48.7	98.7
> 9000	98.1		98.7	98.7	98.7	4.66	4.66	3.66	4.66	90.66	4.66	99.4	4.66	4.66	4.66	4.66
No.			4.66			0.001	0.01		100.0	100.0	100.0	0	-	100.0	100.001	0.00
7000	7.86		4.66	4.66	*	100.00	100001	100.001	100.001	10000	100.0	100.0	100.0	100.0	100.001	0.00
	1.86		99.66	4.66	9.4	100.0	100001	100.001	100.0	0	100.0	100.001	0.001	100.001	100.0	0000
2000	98.7		4.66	4.66	99.41	100.001	100.00	100.001	100.001	100.0	0	10000	100.0	1000	00	0.00
	98.7		4.66	4.66		100.01	0.001	-		0	100.0	100	0.0010	0000	100.001	00.00
900	98.7		4.66	5.66	99.41	100.0		100.001	0.00	0			100.0	0		0.00
	1.86		4.66	7.66	*	100.0	0	-	000	100.0	100.0	100.0	00	100.0	100.01	0000
3000	98.7		4.66	\$ . 66	4	100.001	0	100.001	100.00	0	100.0	100.001	00.00	10000	100.001	0000
	98.7		40.66	\$ 66	4.6	10000	0		0	100.0	100.0	100		100.0	100.01	0.00
7 2000	98.7		4.66	4.66	4	100.001	10000	0100.01	0000	10000	100.0	10000	10000	10000	100.001	0.00
1800	1.86		4.66		*	0000	10000	-	0000	100.0	100.0	100	0	100.0	001	0000
> 1500	98.7		4.66	4.66	99.41	100.001	100001	100.01			100.0	100	0	100.0	100.001	0000
	98.7		4.66	. 6	19.6	.0	0.001	•	0000	0	100.0	100	0	0	100.0	0000
> 1000	98.1		4.66	4.66	99.41	00.00	100.001	0.0	0000	0	0	100		0	100.001	0000
	98.7		4.66	506		0.00	0.001	100.001	0.00	0.001	100.0	100.0	-	100.0	100.001	0000
8 AI	7.86		4.66	4.66	99.41	000	100001	100.001	100.00	10000	100.0	100.0	100.00	100.0	100.001	0000
	1.86		4.66	\$ 66	4.66	00.00	0.001	100.001	0.00	0.001	100.0	100.0	100.0	100.0	100.001	0000
909	98.7		4.66	4.66	99.41	0000	100001	100.001	0	000	100.0	100.0	10000	10000	100.001	00.00
2 500	98.7		4.66	3.66	99.4	0.00	0.001	100.001	0	100.0		-		100.0	100.001	0.00
N 400	1.86		4.66	5.66	99.41	00.00	10000	100.01		00001	100.0	~	100.00	100.0	10001	0.00
38	1.86	9.66	4.66	5.66	14.66	0000	100.001	100.001	0.001	0.001		-		100.0	100.001	00.00
1	78.7	-	4.66	30.66	99.41	00.00	10000	8	100.00	00001	100.0	-	10000	10000	100.001	00.00
8	18.1	-	4.66	.6	3.	0	10000	10.	•	0.001	0.001		0.001	10000	100.001	0000
	18.1	99.4	4066	40.66	99.41	00.00	100.00	100.01	100.00	100.0	100.0	100.0	100.0	100.0	100.001	0000

TOTAL NUMBER OF OBSERVATIONS

155

200

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAY

CEILING								NISIA	SILITY (ST	VISIBILITY (STATUTE MILES)	LES)								
(FEET)	5	۰ ۸۱	۸I	٨١	۸I ۱	AI	2%	~ Al	71 71	¥1 V	71	Al	*	*	N Z	2 5/16	AI	7	O Al
NO CEILING	89.7	90.	91.0	91.	6 91.	16 9	0	9116	916	91.6	91.	6 9	9	9.1	9116	91.	16 9	9.	1.6
> 20000	95.5		96.8	97.	4 97.	4 97	*	91.4	97.4	97.4	97.	4 97	4.	7.4	97.4	97.	4 97	4.	7.4
	95.5	96	96.8	97.	4 97.	4	3.	97.4	4.16	97.4	97.	4 97	4.	704	97.4	97.	4 97	4.	7.4
14000	95.5	96	96.8	97.	4 97.	4 97	4.	4.16	97.4	97.4	97.	4 07	6 4.	97.4	97.4	97.	4 97	4.	7.4
> 14000	96.1	96	97.4	98	1 98.	1 98	-:	98.1	98.1	98.1	98.	86 1	-	1.86	98.1	98.	86 I	-	18.1
12000	96.8	97	98.1	98.	7 98.	7 98	-	7.86	7.86	98.7	98	7 98	6 1.	8.7	98.7	.86	7 98	5	98.7
	4016	98	98.7	66	. 66 4	66 4	3.	7.66	4.66	49.66	66	66 4	5 50	3.6	4.66	66	66 7	30	19.4
000	97.4	96	98.7	66	4 99.	4 99	4.	4.66	4.66	4.66	. 66	66 4	0 4.0	4.6	4.66	. 66	66 4	4	99.4
	40.16	98	98.7	66	66 5	66 4	3	4.66	4.66	4.66	66	66 7	5 40	7.6	4.66	66	66 7	4.	19.4
141	97.4	98	98.7	66	4 99.	66 4	3.	7.66	4.66	4.66	66	66 4	*	4.66	4.66	.66	66 7	*	99.4
	97.4	98	98.7	66	66 %	66 7	4		4.66	99.4	.66	66 7	4.	9.6	4.66	66	66 7	4	19.4
000	98.1	8	4.66	100	0100	0100	0.01	00.00	0.00	100.0	100	0100	6	00.01	00.00	100	0100	.010	00.00
	96.1	96	4.66	100	0100	0100	10		00.00		2	0100	-	0.01	6		0010		0.0
1000	98.1	96	99.4	100	0100	0100	0	10.00	00.00	100.0	-	0100	0	00.00	000	100	0010	0	0
	98.	98	9.66	100	0100	0100	0	0.00	000	6	2	0010	G		000	00	0010	0	0
3000	98.1	6	4.66	100	0100	0100	ō	0	000	100	0	010	0	00.00	000	100	010		
	98	98	9.66	100	0010	0100	0	10.00	0.00	100.0	00	0100	6	0.0	0.00	100	0010	O	0
2000	98.1		99.4	100	0100	0100	0	0000	0000	100	100	0100	010	0.01	00.00	100	0100	6	0
	1.86	98	4.66	100	0100	010	0	10.00	0000	100.0	100	0100	010	0.0	0000	100	0010	010	0.00
1 200	98.1	98	4.66	100	0100	0100	100	0000	0.00	100.0	100	0100	10.	00.00	00.00	100	0010	100	0.00
1	1.86	86	4.66	100	0100	0100	10.	00.00	0000	100.0	100	0100	010	0.0	00.00	100	0010	000	0.00
000	98.1	9	4.66	100	0100	0100	.01	00.00	0000	100.0	100	0100	.010	10.01	00.00	100	0010	0000	0.0
	1.86	9.8	4.66	100	0100	0100	0.	10.00	0000	100.0	100	0100	010	0.01	00.00	100	0010	0	0.0
08	98.1	9	4.66	100	0010	0100	10.	10.	0000	100.0	100.	0100	60	10.00	00.00	100	0010	000	000
	1.86	98	4.66	100	0100	0110	0	10.00	0000	100.0	100	0100	.010	0.01	0000	100	0010	010	0.0
8	98.1	9	4.66	100	0100	0100	6	.01	0000	100.0	100	0010	60	00.00	00.00	100.	0010	9000	000
	1.96	,	\$ 66	100	0010	0100	10.	00.00	0000	100.0	100	0100	.010	0.01	0000	100	0010	000	0.0
9	98.1		4.66	100	0100	0100	0.	10.00	000	100.0	100.	0010	.010	0.01	0000	100	0010	9000	000
	98.1	98.	4.66	100	0100	0100	0	10.00	0000	100.0	100	0010	.010	0.01	00.00	100	0010	000	0.0
700	98.1	98.7	4.66	100	0010	0100	50.	00.00	000	100.0	100.	0100	.010	0.0	000	100	0010	000	0.0
-	1.96		\$ 66	100	0100	0010	10.	10.00	000	100.0	100	0010	.010	0.0	0000	100	0010	010	0.0
٥	98.1		4.66	100	0100	0100	0	10.00	00.00	100.0	100	0010	.010	0.01	0000	100	0010	9000	0.0

0

TOTAL NUMBER OF OBSERVATIONS

#### 7.86 98.7

### CEILING VERSUS VISIBILITY

2

MAY MONTH 14 NOURS (1 S T )

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

٨١ 4.66 4.66 4.66 4.66 4.66 4.66 7.86 98.7 2 5/16 4.66 4.66 ۸۱ 98.7 ۸۱ 4.66 1.86 7.86 9.66 4.66 9.66 4.66 4.66 4.66 98.7 98.7 7.86 ۸۱ VISIBILITY (STATUTE MILES) 4.66 4.66 4.66 4.66 7.86 98.7 7 7 4.66 4.66 4.66 4.66 5.66 4.66 98.7 98.7 98.7 × 21 90.66 4.66 4.66 7.86 4.66 98.7 98.7 AI 4.66 7.66 7.66 4.66 4.66 4.66 4.66 17 2% 4.66 7.86 98.7 N Al 4.66 7.66 7.66 7.66 1.86 98.7 7.66 1 1.86 98.1 7.86 98.7 98.7 98 11 96.8 96.8 98.1 98.1 98.1 98. 98.1 98.1 98.1 98. 98.1 98.1 98.1 98.1 98. 98. 98. 98. 98.1 98. 90.96 4.16 96.8 97.4 97.4 4.16 96.8 98.1 98.1 98.1 98.1 186 1.86 1.86 98.1 98.1 98.1 1.86 98.1 98. 96.1 96.1 98.1 98.1 98.1 98.1 98.1 98.1 98. NO CEILING VI VI 0008 0008 0008 (FEET) 7 2000 12000 VI VI 000 000 000 000 2000 2500 1800 88 2000 4500 400 400 3000 900 88 88 88 80

ALA

AI AI

AI AI

AI AI

AI AI

ALAI

AI AI

AI AI

AI AI

TOTAL NUMBER OF OBSERVATIONS

155

1810

DIRNAVOCEANMET

AI AI

AIAI

SOWS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T MONTH

200

MAY

99.4100.0100.0100.0 100.0100.0100.0 99.4100.0100.0100.0 4.66 4.66 99.4100.0100.0100.0 99.4100.0100.0100.0 99.4100.0100.0100.0 99.4100.0100.0100.0 0.0010.0010.001 0.0010.0010.001 99.4100.0100.0100.0 0.0010.0010.00100.00 99.4100.0100.0100.0 100.0100.0010.001 99.4100.0100.0100.0 ٥ ٨١ 4.66 4.66 1.96 × Al 4.66 2 5/16 45.5 4.66 98 2 4.66 4.66 4.66 99.4 4066 4.66 95.5 96.1 7.86 7.86 7.66 98.7 98.7 \* 4.66 4.66 4.66 98.7 98.7 98.7 98.7 98.7 % Al 4.66 4.66 95.5 98.7 98.7 96.1 98.7 98.7 VISIBILITY (STATUTE MILES) 95.5 7.86 4.66 96.1 95.5 4.16 4.16 7.86 98.7 98.7 7.86 7.66 7.66 4.66 7 366 4.66 96.1 4.66 4.66 7.66 4.66 4.66 4.66 3.66 4.66 95.5 95.5 1.86 98.7 7.86 98.7 98.7 7.86 7.86 4.66 4.66 5.66 95.5 7.86 96.1 96.1 98.7 98.7 40.66 4.66 4.66 3066 7.66 7.66 7.66 4.66 4.66 39.4 4.66 4.66 7.86 7 4.66 4.66 4.66 9.66 9.66 \* "66 98.7 4.66 4.66 96.1 98.7 98.7 4.66 4.66 4.66 4.66 1.86 98.7 M Al 95.5 4.66 4.66 4.66 4.66 4.66 4.66 4.66 4.00 96.1 7.86 98.7 98.7 4.66 \$ 66 7.66 \$ 66 98.7 98.7 95.5 96.1 7.86 98.1 1.86 1.86 98.1 1.86 1.86 7.86 98.7 98.7 48.7 98.7 98.7 98.7 98.7 1.86 98.7 786 98.7 98.1 96.8 98.7 98.7 98.7 7.86 96.1 98.1 98.1 98.1 98.1 98.1 98.7 98.7 98.7 98.7 98.7 98.1 98.7 98.7

1.86

98.7

1500

ALAI

98.7

88

ALAI

88

ALAI

88

AI AI

80

ALAI

88

AIAI

7.86

900

ALAI

98.7

2000

ALAI

7.86 98.7

3500

98.7

4500 400 400

1.86

12000

98.1

900

AI AI

96.1 96.3 98.1

16000

NO CEILING

(FEET)

¥ 20000

1.86

98.1 1.96 1.86

7000

900

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20 HOURS (1.5.7.) MAY

2

CEILING							VISIA	VISIBILITY (STATUTE MILES)	ATUTE MIL	LES)						
(FEET)	2 41	٥ ٨١	\$0 Al	AI AI	£ 41	≥ 2%	1 2	71 71	V 72	Ā	AI	* Al	AI ×	≥ 5/16	N N	٨١
NO CEILING	3	3	89.0	0.68	89.0	69.0	1.68	89.7	89.7	89.7	89.	1 89.		1 89.	89.7	89.7
> 20000	-	0	:	2.96	94.2	94.2	8.46	8.46	94.8	94.8	96	8 94.	8 94.	8 94.8		94.8
	-		2.46	2.46	*	2.46		94.8	94.8	•		8 94.	8 94.		_	94.8
≥ 16000	8			3	95.5	2		•	96.1		96	0	1 96	9	1 96.1	96.1
	6		9		1.96	•			96.8	96		8 96.		8 96.8	96.	8.96
> 12000	0	4	98.1	98.1	1.86	98.1		98.7	98.7		0	7 98.	7 98.	7 98.7	7 98.7	98.7
,	0	4	1.86	98.1	1086	98.1	7.86	98.7	98.7		86	7 98.	7 98.	7 98.	1 98.7	98.7
0006	71.0	-	98.7	98.7	98.7		3.66	4.66	4.66	4.66	.66	* 66 +	4 99.		4.66 4	99.4
	-		4.66		4.66	4.66	100001	100.001	100.0	100.0	100	0100	-	0100.0	0100.0	100.0
1 7000	-		4.66	4.66	4.66	4.66	0	100.001		2	100	0100	0010	0100.0	10000	100.0
1	-		4.66	4.66	4.66	4006		0		100	100	0100	0010	100	0.0010	100.0
2000	-		4.66	7.66	4.66	4 66			100.0	100	10	-	0100	0	100	100.0
1			4.66	7.66	4.66	4.66				100	100		0010	0100.0	100	100.0
1 1	-	F.	4.66	4.66	4.66	4.66			100.0	20	10	100	100	0	100	100.0
1			4.66	4.66	4.66	4.66	0	0.00	0	100	-			-	100	100.0
3000	-	F	4.66	4.66	4.66	4.66		0		100	100	-	0010	100.	-	100.0
1			4.66	7.66	4.66	4.66		00.00		100	2	0100	0010	0100.0	100	100.0
7 2000	-		\$ . 66	4.66	4.66	4.66		100.001	100.0	2	-	-	0010	0100.0	-	-
			4.66	\$ 66	9.66	4.66	100001	00.001		100	c	0010	-	-	100	-
150	:		4.66	4.66	4.66	4.66	100.001	100.00	0	100.	100	100	0010	-	-	100.0
			4.66	\$ 66	4.66	\$ 66	100.001	00.00	0	100.	100	-	0100	0100.0	100	-
100	:	F.	4.66	4.66	4.66	4.66	100.001	100.001		-	-	0100	0010	0100.0	-	4
	-	-	4.66	4.66	4.66	5.66	00001	00.00	0	100.0	-	0010		0100.0	100	100.0
00 AI	-	F	4.66	4.66	4.66	4.66	100001	100.00	•	-	2	0100	0100	0100.0	10000	100.0
	71.6	98.7	4.66		4.66	4.66	100.001	100.001	0	10	10	0100		0100.0	0.0010	100.0
009	-	28.7	4.66	7.66	4.66	4066	100001	100.001	•	-	100	0100		0100.0	100	100.0
	11.6	7.86		4.66	4.66		100.001	0000		100	0	0100	0100	0100.0	-	100.0
8	:	98.7	4.66	7.66	4.66	4.66		100.001		100.0	100	0100	0100	0100.0	100.0	10000
300	-	98.7	4.66	5.66	7.66	4 66	0	0.001	100.0	1000	01	0100	0010	0100.0	0.0010	100.0
	-	18.1	4.66	\$ . 66	4.66	4.66	100.001	100.00	100.0	100.0	100	0100	0010	0100	0.0010	100.0
86	0.1.	900	4.66	7 66	4.66	4 66	100.001	0.001	0.001	0	01	0100	0010	-	0.0010	0.001
	:	1001	77.	170"			0000	0000	0.001	1000	1001	.0010	3000	0100	00001	1000

TOTAL NUMBER OF OBSERVATIONS

155

989

SWOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23 HOURS (1.5.7.) MAY

	0 1 % 1 % 1 % 1 %	1.96	96.8 96.8 96.8 96.8 96.8 96.8	96.8 96.8 96.8	.4 97.4 97.4 97.4 97.4 97.4	.1 98.1 98.1 98.1	** 99.4 99.4 99.4 99.4 99.4	7.66 7.66 7.66 7.66 7.66 7.	.0100.01	0.00100.00100.00100.0010.	.0100.0100.0100.0100.0100.	.0100,0100,0100,0100,0100,0100,0		0.0010.0010.0010.0010.0010.	.0100,0100,0100,0100,0100	0.00100.00100.00100.00100.00100.0	.0100.0100.0100.0100.0100.	0.00100.0100.0100.0100.0100.0100.0	.0100.0100.0100.0100.0100.	10.0010.0010.0010.	.0100.0100.0100.0100.0100.	10.0010.0010.0010.0010.	.0100.0100.0100.0100.010			0.0010.0010	10.0010.0010.0	0.0010.0010.01	0.0010.0010.0010.0010.0010.	0.0010.0010.0010.0010.0010.	0.0010.0010.0010.0010.0010.
VILES)	AI	1 96.1 96	8 96.8	8 96.8 96	4 97.4 9	1 98.1 98	66 4.66 4	66 7.66 4	0100.0010	0100.0010	0100.0010	0100,0010	0100.0010	-	0100.0010	0100.0010	0100.0010	0100.0010	0100.0010	0100.0010	0100.0010	10.0	0100.0100		0100010	0100.0010	010-0010	0100.0010	010.0010	0100.0010	0100.0010
VISIBILITY (STATUTE MILES)	71 × 17	190	96.8 96.		7.4 97.	98.1 98.	19.4 99.	66 7.6	00.0100	00.0000	00.0100	0010.01	00.0100	00.0100	00.0000	001000	00.0000	0010.0	00.0100	0.0100.0	00.0100	001000	0.0100	00.00	00100	0000	00.00	00.000	001000	0.0100	0010.01
VISIBIL	A1	6 1.96	100	00	97.4 9	98.1 9	6 4.66	6 7.66	100.001	100.001	100.001	100.001	10.	10.	100.010	100.001	100.010	100.001	100.010	100.001	100.010	100.001	100.001	0100001	010.001	100.001	100.0010	0	100.001	100.001	100.001
	3 ≥ 2%	1 96	8 96.8	8	.4 97.4	-:	4.66 4.	7.66 5.	.0100.0	.0100.	.0100.0	.0100.0	.0100.0	0.0010.	.0100.0	0.0010.	.0100.0	0.0010.	.0100.0	10.	.0100.	0	0	5 6	0010	30	0	0100.0	0.0010.	.0100.0	0.0010.
	¥ AI	95.5 96	96.1 96	96 1 96	96.8 97	95 4.79	98.7 99	98.7 99	99.4100	99.4100	99.4100	99.4100	99.4100	99.4100	99.4100	0014.66	99.4100	99.4100	99.4100	99.4100	99.4100	150	99.4100	004	1	99.4100	99.4100	99.4100	0015.66	99.4100	0015.66
	\$ AI	95.5	96.1	1006	96.8	4.16	98.7	98.7	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	40.66	7 00	7.00	4.66	4.66	4.66	\$ 66	4.66	4.66
	AI	95	96	96	96	97	98	98		66	66	66	66	1	66	66	66	66	66	6	00	66		0	- 1	99	1		66		66
	71	51.0	51.6	21.6	51.6	52.	53.6	53.6	54.	54.6	54.	54.	54.	54.5	54.6	34.	54.	34.6	54.5	34.	24.5	54.	24.	24		54.2	54.	54.2	34.6	54.5	24.
CEILING	(FEET)	NO CEILING	≥ 20000	> 18000	14000	> 14000	7 12000		0006		141	1	9000	1	1 41	1	38	1	700		1500		1000	88		8 8		71 VI		78	8

TOTAL NUMBER OF OBSERVATIONS

155

140

200

## CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAY

ALL HOURS (LST.)

CEILING							VISIA	VISIBILITY (STATUTE	ATUTE MILES)	(5						
(FEET)	N N	4 AI	SO Al	AI	6 41	> 2%	2 4	VI %	71 71	-	× AI	*	Z AI	2 5/16	71	٨١
NO CEILING	3		91.	2.	92.3	2	2	7.26	95.4	95.4				5.26	92.5	920
Y 20000				95.9	0	36.2		96.3		96.3		86.3		96.4	96.4	
			95.	95.9	0	9	5			0				•	96	96.
141	76.8	96.0	6.96	96.3		0	6.96		6.96	6006	6.96	6.96	6.96	96.9		96.
			97.	97.4	-		:							-	97.	0
12000	78.6	98.0	98.	98.6	98.	98.9	6	0.66		0.66		0.66		0.66	66	99.6
		98.2	.86	98.7			6	1.66		6		1 666			66	_
88	79.0	98.4	0	0.66		99.3	.6	4.66	4.66	4.66	4.66	4.66	4.66	40.66		99.
		98.7	66	99.3		6	6					1.66			66	66
788	79.4	98.8	.66	4.66			6	8.66				8.66	8 66	99.8	99.8	
1		98.8	.66		.66		6	8.66		6		99.8	1		.66	-
2000		98.9	.66	\$ 66					8.66			8.66	99.8	6.66		66
1		0.66	.66		66		6			6				100	100	-
999	79.5	66	.66	99.5	8.66	8.66	6	6.66		6	6.66	6.66		100.0	10000	100
1		66	.66	99.5	.66		6			6	6.66			-	100	-
300	79.5	66	0	99.5	.66		6.66		6.66			6.66		100	100	100
1		66	.66		66		6	6.66			6.66	6.66		100.0	100	-
2000	79.5	0.66	6		66							6.66		100.	100	-
1		0.66	.66		.66		6				6.66	6666		100	100	-
141	79.5	0.66	66	99.3	.66	8.66	6.66		6.66	6066		6.66	6.66	100	-	100
1	79.5	0.66	.66	99.5	8.66		6	6.66						100	100	-
1 1	79.5	66	66	66.6	.66				6.66		6.66	6.66		-	100	-
		66	66	69.5	9.66			6.66					6.66	100.0	-	-
8	79.5	66	66	99.5	0								666	~	100	-
1	6	66	.66		.66		6	6.66		6	6.66	6.66	6.66	100.0	100	-
141	79.5	66	66	99.8	.66					•				-	~	4
	79.3	66	.66	99.5	8.66		60.66						6.66	100.0	2	2
141		66	66	99.8	66	6		•	6.66	6	•	6.66	6.66	-	100.0	2
		66	66	99.5	.66		6.66	6.66		6066	6.66	6.66	6.66	100.0	1000	
700	79.5	88.0	0		99.8	99.8		6.66	6.66		6.66	6.66	99.9	1000	100	
	•	66	.66	66.5	6	•	6.66	6.66	6.66	6066	6.66		6.66	100		100
٥	79.9	66	0	•	0		6.66	6.66		6066		6.66	66.6	100.0	100.0	100

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA STATION MANE

02 HOURS (1 S T ) NO NE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	2 1	9	SO AI	AI AI	e Al	1 2%	VISI	VISIBILITY (STATUTE MILES	NTUTE MILE	S 1	Al Al	# AI	N X	2 5/16	× AI	AI
O CEILING	0.09	6.46		97.3		6.79			97.3		98.0	98.0	96.0	98.0	0.86	98.
2 20000	5	•	0 0	•		00	•	0 0	•	0	100	1000	1000	1000	7.00	700
18000			98	080	0.86	0	000	0 80	000	000	98.7	98.7	98.7	98.7	98.7	98.7
			3		1	96		8		000	98.7	98.7	98.7	98.7	98.7	98
12000	-			99.3	99.3		99.3	99.3	99.3		100.0	100.0	100.0		0000	00
V 1000	-			66.3	66.3	6		6		6		00				00.00
88	-			99.3	66.3		666		66.3	86.3		100		0		000
				66.3	66.3	66.66	66.66	66.3	66.3	6		00		100001	0000	0000
7000	:	66.3		99.3	99.3		66.3		66.3	66.3		10000			100.00	0000
0009	:		6	66.3	66.3	6	66.3		66.3	6	100.0	0100.01		100.001	100.001	00.00
2000	61.3	66.3	88.3	66.3	66.3		66.3	99.3	66.3		. •		-	100.001	100001	0000
	-		6	60.06	66.9				66.3	6	100.0	0.0010		100001	00.00	0000
9004			6	66.3	8.66	88.3	66.3	66.3	66.66	86.66			00	100.001	100.001	0.00
			6	66.3	66.66					6		100,001		00001	00.00	0000
3000	61.3			66.3	66.3	86.3		99.3			0	100	00	0		0000
			6	69.3	69.3	6.66	6066		66.3	6	100.0	100.0	001	100001	0000	10000
7 2000		66.3		86.3	66.66	86.3	66.3	66.3	66.3	86.3	100.001	100		0	0.00	0000
1				88.3	66.3	89.3	99.3		66.3		0	0.0010	0.001	100001	00.00	0000
1500	61.3	66.3	6	66.3	66.3		66.3	66.3	66.3		0000		00	00	0000	0000
			6		29.3	66.3	6.66	66.3	66.3	6	00	0100.01	00	0	0	0000
1000	:			66.3	66.3		66.3	99.3	99.3	99,31	00			0	0	0.001
8	61.3		66.3		6.65	66.3	66.3	66.3	66.3		00	010000	100	100.0	0.001	0000
8	:	66.3		99	66.3	66	99.3	99.3	66.3		00	•	100	_	100.001	0000
700			66.3	66	66.3	6	6	66.3	66.3	6	100.0	100.0	0.001	100.0	0.001	0000
8	:	66.3		66.3	66.3		66.3	86.3	66.3	66.3	100.0	10000	10000	100.0	10000	00.00
	61.3	66.3	6		66.3	6	6.66		66.3		100.0	100,001	100.0	0.001	00.00	0000
700	:	66.3	66.3	80.66	666	86.3	66.3	66.3	66.3	66.3	100.0	10000	10000	100.0	100.001	0000
> 300	•	•		666	6.66	6.66	6.66	66.3	99.3	66.3	0.001	0.001	•		0.00	000
	:	•	:	60.66	66.66	29.3	666	99.3	44.3	8666	100.0	10000	1000	10000	00.00	000
8					66.00	•	•	600	600	666	0	0.001		0.001		000
	6010	77.03		77.02	77.5	23.0	24.5	2000	601	77.0	1000	00001	0.00	0001	0000	000

TOTAL NUMBER OF OBSERVATIONS

150

100

### CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.5 HOURS (1.5.7.) Z D MONTH

200

							ž	VISIBILITY (STATUTE MILES)	STATUTE	MILES)								
(FEET)	2 41	٥ ٨١	\$ 41	AI AI	e Al	Y 2%	N AI	VI Z	VI VI	VI	AI	٨١	*	2 1	> 5/16	N N	Al	
NO CEILING				96.0	1.96	1.96	46.7	96.		96 4	.7 96			1.	1667	96	96 1	
> 20000	73.3	97.3	97.3	-	98.0	98.0	0	98	98	.0 98				0	98.0		96 0	0
			61.3		0.86	0.86		86	86 0				0.	0.8	0.86	98.	_	0
N 16000				98.0	98.7		0		0	7 98	.7 98		8.79		98.7		7 98	. 1
	74.0			98.0	98.7	98.7	98.7	. 86	7 98		.7 98		8.7.9	2.86	98.7	.86	1 98	1.
> 12000			98.0			98.7	98.7	98	7 98.	1 98		.7	1		98.7		7 98	1.1
1			E . 66	66.3	100.0	100	100.0	100	0010	0100	0010	00100	0	0	0000	100	0100	0
900	75.3		66.3	99.3	100.0	100	100	100	-	0010	-	10	-	6	0000	100	0010	0.0
1			66.3	99.3	100.0	0.0010	00	00	0100	0010	00100	00100	10.	10.00	0000	100	0100	0
1 11	75.3		66.3	66.3	100.0	0100.0	000	100	0100	0010	00100	.0100	0	00.00	0000	100.0	0010	0.
1			6.66	99.3	100.0	100.0	100.0	100	0010	0010	00100	00100	10.		0000	100	0100	0
98	75.3		99.3	66.3	100.0	100.0	100	100.	0100	-	.0100	.0100	10.	-	0000	100	0010	0.0
1	13.3		6.66	66.3	100.001	100.0	100.0	100	0100	0010	00100	0010.	10		0.00	001	0010	0
1 11	75.3	66.3	66.3	66.3		0100.0	100	100		-	.0100	.0100	10	_	0000	901	000	0.
	75.3		66.66	99.3	100.0	100.0	100	000	0100	0100	00100	0010	0	10.00	0000	100	0100	0
300	75.3		66.3	66.3	00	0100.0	100	00		-	.0100	0010	10		100.0	100	0100	0
1	15.3		69.3	66.3	100.0	0100.0	100	00	0100	0010	00100	.0100	10.	0	0000	0100	0010	0.
7000	75.3		66.3	66.3	100.0	0100.0	100	0100	0010	0010	.0100	.0100	10	0	00	010000	0100	0.
1	15.3		99.3	6.9		0.0010	100	0100	0100	0010	00100	.0100	0	0	100.0	0100	0100	0.
1300	75.3	•	66.3			100.0	100	0100.	-	0010	-	5	0	0		0100.0	-	0.0
	15.3		66.3	6.3	100			100	0100	0010	-		0	0		00	-	0
100	75.3		666	· .	100.0	100.0	-	100	0100	0010	00100	0	6	0			-	0.0
	15.3		66.3	6.3	100	100.0	100.0	100	0100	0100	00100	0	10	0		100	-	0.0
8	75.3		66.3		100	0100.0	100.0		0100	0100	0010	0	0	6	00.00	100	-	0.0
	15.3		66.3	6.6	100.0	-		00		0010	0010	0	10.	0		001	-	00
8	75.3		66.3	99,3	100.0	10000	100.0	•	•	0010	0010	5	0	0	0000	100	-	0.0
	2		66.3	66.3	100.0	100.0	100.0		00		0010	9	0	0		100	-	0.
N 49	75.3		66	66.3	100.0	100.0	100.0	100		0100	0100	00100	0	0	000		-	0
86	15.3	66.6	66.3	66.3	0.001	0.001	100.0		0010	10		0010	0	0.0	•		-	0.0
38			99.3	99.3	•	100.0	1000	100.	0100	2	- 1	010	0	9	0		-	0
VI 8		•	6.66	666	100.0	100	10000		→,		-	000	0	0	•		٠,	0
		•	44.3	99.3	100.0	1000	100.0	1000	0100	0010	0010	0010	0	00.00	000	001	010	0

TOTAL NUMBER OF OBSERVATIONS

150

9109

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

73-77

OS HOURS (LST.) NOT

Ī

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0

0

0

0

0

0

TOTAL NUMBER OF OBSERVATIONS

150

100

9111

**CEILING VERSUS VISIBILITY** 

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195 STATION

NO.

200

11 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

			0	1.	. 7		0	0	0	0	0	0	0	0.	0	0	0	0	0	0.	0.	0.	0	0	0	0	0.	0.	0	0	0	0	0
	Al	96	98.	98	98	66	001	00	001	001	100	001	100	100	001	100	100	001	100	100	001	001	100	001	201	001	100	001	100	801	00	00	00
	2		0	.7	.7	.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AI	96	86	86	96	66	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	001	100	001	100	100	100	100	100	100	001
	5/16		0	1.		.3	0	0	0	0	0	0	0	0	0	0	0	0.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	VI S		98	86	98	66	100	100	100	001	100	100	100	001	100	001	100	100	100	100	-	100	001	001	001	100	100	001	001	100	8	001	001
	2		0	. 1	.7	.3	0	0	0	0	0	0	0		0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0
	Al		98		96	66	001	001	001	001	00	001	001	00	200	001	001	001	001	001	100	001	00	001	001	001	00	001	8	001	8	001	8
	*		0	1.	-	.3	0	0	0	0.	0	0	0	0	0	0	0.	0.	0	0.	0.	0.	0	0	0	0	0	0	0	0	0	0	0.
	Al	96	86	86	86	66	100	100	100	100	100	100	100	100	001	100	100	100	100	100	_	100	100	001	100	001	100	001	9	001	00	001	8
	*		0	.7	1.	.3	0	0	0	0	0	0	0	0	0.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Al	96	98	86	86	66	100	100	100	100	100	001	100	100	100	001	100	100	100	100	100	100	100	001	100	100	001	001	100	001	100	001	100
	-			. 7	1.	.3	0	0	0	0	0	0.	0.	00	0	0	0	0.	0.	0.	0	0.	0	0	0	0	0	.0	0	0		0	0
ES)	Al	6	98	9	9	66	100	001	100	001	100	001	100	100	100	100	100	100	100	001	100	001	100	001	001	001	001	001	100	001	001	001	001
MIL	7		0	.7	1.	.3	0	0	0		0	0	0.	0	0		0		0			0	0	0	0		0	0	0	0	0	0.	0
VISIBILITY (STATUTE MILES)	AI	96	96	86	98	66	100	100	100	100	100	001	100	001	100	100	100	100	100	100	100	100	100	001	100	001	100	001	100	100	001	001	001
Y (ST.	7.	•	0		.7		0	0	0	0	0	0	0	0	0.	0	0.	0.	0	.0	0	0	0.	0	0	0	0	0	0	0	0	0.	0.
THE !	AI	96	86	86	86	66	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	001	100	100
VIS	~			1.	1	.3	0	0	0	0	0	0	0	0	0.	0	0	0	0	0	0	0	0	0	0	0	0	0	00	0	0	0	0
	Al	96	96	86	6	66	100	001	100	100	100	001	100	100	100	100	100	100	100	100	100	001	100	100	100	100	100	100	100	001	100	100	100
	21%		0	1.1		.3	0	0	0	0.	0	0	0	0.0	0.0	0.	0.0	0.0	0.0	0	0	0.	0.	0.	0	0	0	0.0	0.	0.	0.	0.	0
	AI		98	6	98	66	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
			0	1.1	1.1	.3	0	0.	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.	0.0	0:	0.0	0.	0.0	0.	0.	0.	0	0:	0.	0	0	0	0	0
	ΑI	96	98	86	86	66	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
			0.	1.1	F .	111	0.	0.0	0.0	0.0	0.	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	0	0.0	0.	0.0	0.0	0.0	0.	0.	0.	0.0	0.	0.0
	AI	96	98	6	6	6	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	s	1.9	3.0	3.7	8.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Al	96	6	6		6	100	100	01	100	100	100	100	2010	100	100	100		100	100	100	100	100	10	100	100	100	100	9.3100.0100	010	100	100	100
	•	96.7			-	CO.	0	0	-	0.0			-		0.0		0.0		0.0	0.0	0.0	0.0	0.0	0.0	000	0.0	0.0	0.0	0.0	0.0		0	0
	ΑI						-	100	3100.	100	100	100	3100	100	100	100	3100	3100.	10	10	10	č	100	100	100	10	100	100	3100.0	3100.	3100.0	100	ĭ
	9	0.0			9.0						~		100	66.3			•		E. 4	6.9	9.3	9.3	6.0	. 3	3.3	5.3	86.3	6.6	. 3	. 3			
	AI	96	ò	6	õ	6	6	5	66	66	ŏ	66	ŏ	6	6	66	0	66	ŏ	66	5	ŏ	66	5	ŏ	6	6	66	66	66	66	66	66
9	-	NG	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	1500	8	1000	8	8	8	8	8	400	8	200	8	•
CEILING	(FEE	NO CEILING	≥ 20000		2 16000		12000	1	8	1	141	1	2000		141	1	3000	1	7 2000		141		N N		A		141		4		I A I		IAI
		. ()																															

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

HOURS (LST)

2

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

99. 3100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 99. 3100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 99. 3100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 99. 3100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 99. 3100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 99. 3100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 99. 3100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 99. 3100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 99.3 8.66 1 86.3 86.3 99.3 99.3 2 5/16 66.3 66.3 2 66.3 666 0.86 66.3 \* 66.3 66.3 66.3 66.3 66.3 66.3 66.3 Ä VISIBILITY (STATUTE MILES) 66.66 99.3 99.3 66.3 66.3 66.3 8.66 6.66 66.3 66.3 66. 66.3 66.3 99.3 66.3 66.3 98.0 66.3 600 66.3 99.3 99.3 €.66 66.3 €.66 66.3 66.3 66.3 66.3 ٥ 98.7 7.86 98.7 NO CEILING (FEET) VI VI 00081 00081 12000 VI VI 000 000 000 80 20000 900 3000 2000 88 900 450 60 60 60 60 60 1500 1200 88 88 88

ALAI

ALAL

AI AI

ALAI

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AI AI

AI AI

TOTAL NUMBER OF OBSERVATIONS

150

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23195

YUMA, ARIZONA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 % TO S 1 1

NOUS

| CEILING    |        |               |         |         |                  |               | VISI              | IBILITY (ST  | VISIBILITY (STATUTE MILES)        | ES)      |                 |                               |                 |         |                       |       |
|------------|--------|---------------|---------|---------|------------------|---------------|-------------------|--------------|-----------------------------------|----------|-----------------|-------------------------------|-----------------|---------|-----------------------|-------|
| (FEET)     | 2 11   | o<br>Al       | 99 AI   | 4       | 21               | 2 2%          | 7                 | 27 28        | 71 71                             | Ā        | AI AI           | * 11                          | Z AI            | 2 5/16  | N N                   | 0 11  |
| NO CEILING | 6.56   | 0.96          | 0.96    | 0.96    | 0.96             | 0.96          | 0.96              | 0.96         |                                   | 0.96     | 1096            | 0.96                          | 96.0            |         | 0.96                  | 0.96  |
| ≥ 20000    | 98.7   | 66.3          | 66.3    | 60.     | 66.3             | 86.3          | 66.3              | 66.3         | 66.3                              | 66.      | 1 99.3          | 8 99.3                        | -               | 99.3    | 66.3                  | 66.3  |
| N 18000    | 28.7   | 66            | 66.3    | 6. 36   | 66.3             | 66            | 6.66              | 66.3         | 99.3                              | 600      | 66              | 1 99.3                        | 99.3            | 66.3    | 6.66                  | 66.3  |
| 2 16000    | 96.7   | 66.3          | 86.3    | 66.3    | 66.3             | 66.3          | 66.6              |              | 66.3                              | 99.3     | 1 99.3          | 8 99.3                        | 66.3            | 66.3    | 66                    | 66.3  |
| 7 14000    | 48.1   | 60.3          | \$ . 66 | 600     | 66.3             | 600           | 6000              | 66.3         | 00                                | 60.3     | 66              | 6.66                          | 66.3            | 99.3    | 6.56                  | 66.3  |
| > 12000    | 86.3   | 99.3100.0109  | 100.001 | 0000    | 0100.0010        | 100.001       | 100.00            | 0100.01      | 100.001                           |          | 00.0010.00      | 1100.0                        | 00.0010.00      | 100.001 |                       | 00.00 |
|            | 66.3   | 99.3100.0100  | 0       | 100.0   | 0.0010           | 100.001       | 100.001           | 00           | 0.0010                            | 00       | 10.0010         |                               | 0.0010          | 100.0   | 100.001               | 0.00  |
| 2 9000     | 99.3   | 99.3100.0100  |         | 0100.0  | 0100.0010        | 100.00        | 100.001           | 100.001      | 00.010.0100.0010                  | 100.0    | 1001            | .0100.0010.                   |                 | 100.001 | 00                    | 0000  |
|            | 66.    | 99.3100.0100  | 100.00  | 0.00    |                  | 0100.01       | 100.001           | 100.0        | 0100.0                            | 0.0010   | 0100.0010       |                               | 0.0010          | 0.0010  | 0010.0010             | 0000  |
| > 7000     | 99.3   | 99.3100.0100  |         | 0100.0  | 0100.00          | .0100.01      | 100.001           | 100.001      | 00                                | 100.0    | 1001            | 0100.0100.0100.0100           |                 | .0010.  | 0100.0010             | 0.00  |
|            | E . 66 | 99.3100.0100  | 00.010  | 0.0     | 100.001          | 10000         | 10.001            | .00          | 0.0010                            | 0100.0   | 0100.0          | 0.0010                        | 0.0010          | 00      | 00100.0010            | 0.00  |
| 2000       | 66.3   | 99.3100.0100  |         | 0100.0  | 0010.0010        | 10000         | 10.00             | .00100.01    | 100.001                           | 100.0    | 100.0           | 00.0010.00100.00100.00        | 100.0           | 100     | 0100.0010             | 00.00 |
|            |        | 3100.0100     |         | 0.00.0  | 0100.0           | 0100.01       | 0.0010            | 0.0010       | 0100.0                            | 0.0010   | 0100.0010       | 100.0                         | 100.0           | 100.0   | 0100.0100.0100.0100   | 00.00 |
| 1 4000     |        | .3100.0100    |         | .0100.0 | 0100.0010        | 0             | 100.00100.        |              | 0100.0010                         | 100.0    | 100.            | 0,0010.00100.0010             | 100.0           | 100     | 0010.0010             | 0000  |
|            |        | 3100.0100     |         | 0.0010  | 0.0010           | 100.001       | 100.0100          | 0000         | 0100.0010                         | 0000     | 0100.0010       | 10000                         | 0010.0010       | 00      | 0010.0010             | 0.00  |
| 3000       | 66.3   | .3100.001E.   |         | .0100.0 | 0100.0010        |               | 0100.0010         | 100.00       | 00.0010                           | 100.0    | 100.0           | 00.0010.0010.00100.00         | 100.0           | 00      | 00.0010.00            | 0.00  |
|            |        | 3100.001E     |         | 00.00   | 0.0010.0010.00   |               | .0010.001         | 0000         | 100.001                           | 0000     | 1001            | 0100.0100.0100.0100.0100.0100 | 0.001           | 100.0   | 00000                 | 0.00  |
| > 2000     | 66.3   | .3100.0016.   |         | 0000    | .0100.0100.0010. | 100001        | 100.0100.         | 100.00       | 0100.01                           |          | 0100.01         | 10000                         | 00.0010.0010.00 | 100.0   | 00                    | 00.00 |
| V 1800     | 6.46   | .3100.0100    |         |         | 0100.01          | 0             | 0100.01           | 0.0010       | 0010.0010                         |          | 0010.0010       | 100.0                         | 0.0010          | 100.0   | 100.001               | 0.00  |
|            | 66.3   | 99.3100.0100  |         |         | 0100.0010        | 0             | 100.0100.0100.001 | 100.00       | 100.001                           |          | 100             |                               | 100.00          | 100.001 | 100.001               | 0.00  |
| 2 1200     | 66.3   | .3100.0100    | 0010.00 | 0       | 0.0010           | 00 01         | 00.00             | 00           | 0100.01                           | 100.0    | 100.0100        |                               | 0.0010          | 10000   | 0100.01               | 0.00  |
| 000<br>1   | 66.3   | 99.3100.0100  |         | 0       | 100.0100         | 00.00         | 100001            | 00           | 00.0010.00                        | 0.00     | 1000            | 100.0100.0100                 | 100.001         | 00      | 100.001               | 0.00  |
| 00<br>A1   | 66     | 100.00        | 0       | 0       | 100 001          | 100.001       | 0010-001          | .00          | 0100.0010                         |          | 0100.01         | 00                            | 0100.01         | 100001  | 100.00100             | 0.00  |
|            | 6.66   | 99.3100.0100  | •       | 0       | 100.001          | .0100.0100.01 | 00.00             | 00           | .0100.01                          | 00       | .0100.01        | 8                             | .0100.00        | 8       | 10.0010.              | 0.00  |
| 2 700      | 6.66   | 24.3100.0100  |         | 0100.0  | 100001           | 1a 00         | 0010.00           |              |                                   | 0.00     | 001             |                               |                 | 10000   | 10.00                 | 0.00  |
|            | 44.3   | 77.3100.0100  |         | 000     | 100.001          | .0100.01      | 0.00              | 00           | .0100.0010.                       | •        | 100             | 0.0010.                       | 0.0010.         |         | 00.0010.00            | 0.00  |
| 005 AI     | **     | 94.3100.0100  | 0       | 0.      |                  | a.            | 0.00              | 0100.0       | 100.001                           | 10.0010. | 100.0           |                               | 100.001         |         | 10.0010.00            | 0.001 |
|            | 66.8   | 99.3100.0100  |         | 0       |                  | 100.01        | 0000              | 00.0100.0100 | 100.001                           | 0.00     | .0100.0100.0100 | - 27                          | .0100.01        |         | 40.                   | 0.00  |
| 7 300      | 66.9   | 99.3100.0100  | 0.      | 1000    | .0               | 10.001        | 0.00              | 0.00         | 00.0100.0100.0100.0100.0100.00    | 0.00     | 100             | 0                             | 10001           |         | 00.0010.00            | 0.00  |
|            | 44.9   | 24. 3100.0100 |         | C3      | 0                | 00.00         | 00.00             | 00.00        | 100.0100.0100.0100.0100.0100.0100 | 0000     | 100.0           |                               | 100.001         | 100.0   | 00.0010.00            | 0.00  |
| 8          |        | 3100-0100     | -       | 0100    | 100.001          | 100001        | 0.00              | 000          | 100.001                           | 0.00     | 100.0           |                               | 0.001           | 0000    | 0100.00               | 0.00  |
|            | 77.3   | . 3100.0016.  |         | 000     | .0100.010.0010.  | 00.00         | 000               | 00.00        | 100.0100.0100.0100.0100.0100.0100 | 0000     | 1001            |                               | 100.0           | 100.0   | 00100.0100.0010.0010. | 0.00  |

TOTAL NUMBER OF OBSERVATIONS

150

3

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23195

YUMAS ARIZONA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20 HOURS (1.5.7.) SOL

Ē

| CEILING    |       |      |       |      |      |       | \$IA  | IBILITY (S | VISIBILITY (STATUTE MILES) | MILES) |         |     |      |      |     |         |      |       |     |   |
|------------|-------|------|-------|------|------|-------|-------|------------|----------------------------|--------|---------|-----|------|------|-----|---------|------|-------|-----|---|
| (FEET)     | 2     | ۸I   | \$ 41 | 1    | e Al | ≥ 2%  | 1 2   | ¥1 ¥       | VI<br>7.1                  | 4      | -<br>Al | AI  | AI   | *    | 2 1 | VI<br>S | 9/16 | × 11  | ٨١  |   |
| NO CEILING | 93.3  | 95   | 96.0  | 1.96 | 1.96 | 1.96  | 76.7  | 97.        | 3 97                       | 3      | 7.3     | 97. | 3 4  | 6.   | 16  | 3 9     | .3   | 87.3  | 97. | 3 |
| > 20000    |       | 96   | 97.3  | 98.0 | 98.0 | 93.0  | 0.86  | 96         | 7 98                       | 5 1.   | 18.7    | 98  | 7    | 8.7  | 98  | 7 98    | .7   | 7.86  | .86 | - |
|            | 95.3  | 97.  | 0.86  | 98.7 | 98.7 | 98.7  | 7.86  | 66         | 3 99                       | 3      | 6.6     | 66  | 3 9  | .3   | 66  | 3 99    | 3    | 66.3  | .66 | 3 |
| 0009L X    | 95.3  | 97.  | 98.0  | 98.7 | 98.7 | 98.7  | 98.7  | 66         | € 66                       | 3 6    | 19.3    | 66  | € 86 | 9.3  | 66  | 66 €    | 63   | 66.3  | 66  | 3 |
|            | 95.3  | 97.  | 0.86  | 98.7 | 98.7 | 98.1  | 7.86  | 66         | 3 99                       | 3      | 66.3    | 99  | 3    | 6 .  | 66  | 3 99    | 60   | 66.66 | 66  | 3 |
| 12000      | 96.0  | 86   | 98.7  | 66.3 | 99.3 | 66.3  | 66.3  | 100.       | 0010                       | 010    | 0000    | 100 | 0100 | 10.0 | 00  | 0010    | 6    | 0.00  | 100 | 0 |
| 1          | 96.0  | 98.  | 1.96  | 66.3 | 66.3 | 86.3  | 6.66  | 100        | 0010                       | 010    | 0.00    | 100 | 010  | 3.01 | 00  | 0070    | 1000 | 0.00  | 100 | 0 |
| 141        | 96.0  | 98   | 98.7  | 66.3 | 66.3 | 66.3  | 66.66 | 100.       | 0010                       | 010    | 0000    | 100 | 010  | 0.0  | .00 | 0100    | 0    | 0000  | 100 | 0 |
| 1          | 96.0  | 98   | Г     | 66.3 | 99.3 | 66.3  | 6666  | 100        | 0010                       | 010    | 0000    | 100 | 010  | 0.0  | 000 | 0100    | 1000 | 0.00  | 100 | 0 |
| 141        | 96.0  | 98   | 98.7  | 66.3 | 99.3 | 99.3  | 4     | 100.0      | 0100                       | -      | 0000    | 100 | 0010 | 0.0  | 00  | 0100    | 1000 | 0.00  | 100 | 0 |
| 1          | 90.06 | 98   |       | 66.3 | 99.3 | 666   | 66.3  | 100        | 0010                       | 010    | 0.00    | 100 | 010  | 0.0  | 00  | 010     | 100  | 0000  | 100 | 0 |
| 3000       | 96.0  | 98   | 98.7  | 66.3 | 66.3 | 99.3  | 99.3  | 100        | 0100                       | 0      | 0000    | 100 | 0010 | 0.01 | 00  | 0100    | 1000 | 0.00  | 100 | 0 |
| 1          | 96.0  | 98   |       | 99.3 | 99.3 | 66.3  | 66.66 | 100        | 0010                       | 010    | 0.00    | 100 | 010  | 3.01 | .00 | 0010    | 10.  | 0000  | 100 | 0 |
| 1 1        | 96.0  | 86   | 98.7  | 99.3 | 99.3 | 99.3  | 66.65 | 100        | 0100                       | 010    | 0.00    | 100 | 0010 | 0.0  | .00 | 0100    | 0    | 0000  | 100 | 0 |
|            | 90.0  | 98   | 98.7  | 66.3 | 666  | 66.3  | 6.66  | 100        | 0010                       | 010    | 0.00    | 100 | 010  | 0.0  | .00 | 0100    | 10.0 | 0000  | 100 | 0 |
| 300        | 96.0  | 98   |       | 66.3 | 99.3 | 66 3  |       | 100.       | 0100                       | 010    | 0       | 100 | 010  | 0.0  | 00  | 0100    | 0    | 0000  | 100 | 0 |
| 1          | 96.0  | 98   | 1.96  | 66.3 | 99.3 | 6.66  | 666   | 100        | 0100                       | 010    | 0.00    | 100 | 010  | 0.0  | .00 | 0100    | 100  | 0000  | 100 | 0 |
| 141        | 96.0  | 98   | 98.7  | 66.3 | 66.3 | 86.3  | 86.66 | 100.       | 0010                       | 010    | 0000    | 100 | 0100 | 10.  | 00  | 0100    | 0.0  | 0.00  | 100 | 0 |
| 1          | 96.0  | 98   | 1.86  | 666  | 69.3 | 66.3  | 66.66 | 100        | 0010                       | 010    | 0.00    | 100 | 010  | 0.0  | 00  | 0100    | 100  | 0.00  | 100 | 0 |
| 1200       | 96.0  | 98   | 98.7  | 66.3 | 66.3 | 66.3  | 666   | 1000       | 0010                       | 6      | 0.00    | 100 | 010  | 10.0 | 100 | 0100    | 1000 | 0.00  | 100 | 0 |
| 1          | 96.0  | 98   | 98.7  | 66.3 | 68.3 | 89.3  | 666   | 100        | 0010                       | 0100   | 0.00    | 100 | 010  | 0.0  | .00 | 0100    | 1000 | 0000  | 100 | O |
| 141        | 96.0  | 98   | 1.86  | 66.3 | 99.3 | 99.3  | 66.3  | 100        | 0010                       | 0010   | 0.00    | 100 | 0100 | 10.0 | 00  | 0100    | 1000 | 0.00  | 100 | 0 |
|            | 96.0  | 98.  |       | 66.3 | 99.3 | 60.66 | 6.66  | 1001       | 0010                       | 0010   | 0.00    | 100 | 010  | 0.0  | .00 | 0100    | 1000 | 0000  | 100 | 0 |
| 8          | 96.0  | 98   | 96.7  | 60.3 | 86.3 | 66.3  | 6.66  | 100.       | 0100                       | 5      | 0.00    | 100 | 010  | 10.0 | 00  | 0100    | 1000 | 0.00  | 100 | 0 |
|            | 96.0  | 98   |       | 66.3 | 69.3 | 89.3  | 666   | 100.       | 0.0010                     |        | 0000    | 100 | 010  | 000  | 00  | 0100    | 6    | 0000  | 100 | 0 |
| 8          | 96.0  | 98   | 98.7  | 66.3 | 66.3 | 99.3  | 66.3  | 100.       | 0010                       | 등      | 0000    | 100 | 0100 | 0.0  | 00  | 0100    | 5    | 0000  | 100 | 0 |
|            | 96.0  | 98   | 90.7  | 66.3 | 99.3 | 66.3  | 666   | 100        | 0010                       | 0      | 0000    | 100 | 010  | 0.0  | .00 | 0010    | 1000 | 0.00  | 100 | 0 |
| 141        | 96.0  | 86   | 98.7  | 66.3 | 66.3 | 66.3  | 6.66  | 100.       | 0010                       | 증      | 0.00    | 100 | 010  | 10.0 | 00  | 0100    | 00   | 0.00  | 100 | 0 |
|            | 96.0  | 98   | 1.86  | 66.3 |      | 6.66  | 666   | 100.       | 0100                       | 0      | 0.001   | 100 | 0100 | 0.0  | 00  | 0100    | 000  | 0.00  | 100 | 0 |
| 141        | 96.0  | 98.0 | 98.7  | 99.3 | 99.3 | 86.3  | 8006  | 100        | 0100                       | 010    | 0.00    | 100 | 010  | 0.0  | 00  | 010     | 100  | 0.00  | 100 | 0 |
|            | 96.0  | 98   | 1.86  | 66.3 | 66.3 | 66.9  | 66.3  | 100        | 0010                       | 010    | 0.0     | 100 | 010  | 0    | 00  | 0100    | 100  | 0000  | 100 | 0 |
| ٥          | 96.0  | 98   | 1.86  | 66.3 | 99.3 | 66.3  | 66.3  | 100.       | 0100                       | 010    | 0.0     | 100 | 0100 | 0    | 100 | 010     | 100  | 10000 | 100 | 0 |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

YUMA, ARIZONA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23 23

| CEILING    |      |         |       |       |        |        | VIS    | IBILITY (S | VISIBILITY (STATUTE MILES) | (Sa) |        |        |       |        |         |       |
|------------|------|---------|-------|-------|--------|--------|--------|------------|----------------------------|------|--------|--------|-------|--------|---------|-------|
| (FEET)     | 2 1  | o<br>Al | \$ AI | AI AI | e Al   | ≥ 2%   | 2 4    | ×1 ×       | ¥1 Y                       | Ā    | AI     | * AI   | Z AI  | 2 5/16 | AI AI   | 0 11  |
| NO CEILING |      | 96.7    | 7.96  | 98.0  | 98.0   | 0.86   | 98.0   | 0.86       | 98.0                       | 98.  | 0.86 0 | 98.0   | 0.86  | 0.86   | 0.86    | 98.0  |
| ¥ 20000    |      | 96.7    | 96.7  | 98.0  | 98.0   | 98.0   |        | 98.0       | 98.0                       | 98.  | 0 98.0 | 0.86   | 98.0  | 93.0   | 98.0    | 98.0  |
|            |      | 97.3    | 61.3  | 98.7  | 98.7   | 1 98.7 | 7.89   | 98.7       | 98.7                       | 98.  | 7 98.7 | 786    | 98.7  | 98.7   | 7.86    | 98.7  |
| 14000      |      | 97.3    | 97.3  | 98.7  | 98.7   | 7.86   | 98.7   | 98.7       | 98.1                       | 98.  | 7 98.7 | 1 98.7 | 98.7  | 98.7   | 7.86    | 98.7  |
|            |      | 97.3    | 97.3  | 98.7  | 98.7   | 98.1   | 1.86   | 98.7       | 98                         | . 98 | 7 98.  | 98.7   | 98.7  | 98.7   | 7.86    | 98.7  |
| 7 12000    |      | 98.7    | 98.7  | 150.0 | 100.0  | 100.0  | 100.0  | 100.0      | 100.0                      | 1000 | 0100.0 | 10000  | 100.0 | 100.0  | 100.001 | 0000  |
| 1          |      | 98.7    | 28.7  | 0.001 | 100.0  | 0.0010 | 100.0  | 100.0      | 100.0                      | 1000 | 0.0010 | 1000   | 100.0 | 100.0  | 0.001   | 0000  |
| 000        |      | 98.1    | 1.86  | 100.0 | 100.0  | 100.0  | 100.0  | 100.0      | 1000                       | 1000 | 0100.0 | -      | 100.0 | 100.0  | 100.001 | 0000  |
| 1          |      | 98.7    | 1.86  | 100.0 | 100.0  | 0.0016 | 100.0  | 100.0      | 100.0                      | 1000 | 0.0010 | 0.0010 | 100.0 | 100.0  | 00.00   | 0000  |
| 1 7000     | 60.7 | 98.7    | 98.7  | 100.0 | 100.0  | 100.0  | 100001 | 100.0      | 100.0                      | 0    | 0100.0 | 10000  | 100.0 | 100.0  | 100.001 | 0000  |
|            |      | 98.7    | 186   | 0.001 | 100.0  | 100.0  | 100.0  | 100.0      | 100.0                      | 1000 | 0100.0 | 10000  | 100.0 | 100.0  | 00001   | 0000  |
| 0005       | 60.7 | 98.7    | 98.7  | 100.0 | 100.0  | 10000  | 100.0  | 100.0      | 100.0                      | 1000 | 0100   | 10000  | 100.0 | 100.0  | 100.001 | 0000  |
| 1          | 000  | 98.7    | 1.86  | 0.001 | 100.0  | 100.0  | 100.0  | 100.0      | 100.0                      | 100  | 0100.0 | 0.0010 | 100.0 | 100.0  | 0.001   | 0000  |
| 904        | 60.7 | 7.86    | 98.7  | 100.0 | 100.0  | 10000  | 100.0  | 100.0      | 100.0                      | 1000 | 0100.0 | 10000  | 100.0 | 100.0  | 100.00  | 0.001 |
|            |      | 186     | 98.7  | 100.0 | 100.0  | 0.0010 | 100.0  | 100.0      | 100.0                      | 1000 | 0100.0 | 0.0010 | 100.0 | 100.0  | 0.001   | 0000  |
| 3000       |      | 98.7    | 7.86  | 100.0 | 100.0  | 10000  | 100.0  | 100.0      | 100.0                      | 1000 | 0100.0 | 10000  | 1000  | 100.00 | 100.00  | 0000  |
| 1          |      | 98.7    | 1.86  | 100.0 | 100.0  | 100.0  | 10000  | 100.0      | 100.0                      | 100  | -      | 0.0010 | 100.0 | •      | 0.001   | 0000  |
| 7 2000     |      | 98.7    | 1.86  | 10000 | 100.0  | 0,0010 | 100.0  | 100.0      | 100.0                      | 1000 | 0100.0 | 10000  | 100.0 | 100.0  | 100.001 | 0000  |
|            |      | 98.7    | 1.86  | 0.001 | 100.0  | 100.0  | 0.001  | 100.0      | 100.0                      | 0    | -      | 0 0010 | 100.0 | 100.0  | 0.001   | 0.001 |
| > 1500     |      | 98.7    | 98.7  | 100.0 | 100.0  | 10000  | 100.0  | 100.0      | 1000                       | 1000 | 0100   | 1000   | 100.0 | 100.0  | 00.00   | 00.00 |
| > 1200     |      | 98.7    | 98.7  | 0.001 | 1000   | 0.0016 | 10000  | 100.0      | 100                        | 0    | -      | 1000   | 000   | 1000   | 0000    | 000   |
| 1000       |      | 78.7    | 1006  | 0000  | 0001   | 0.001  | 0.001  | 1000       | 100                        | 0    | 0010   | 0.007  | 0000  | 0001   | 0000    | 0000  |
| 88         | .00  | 90      | 000   | 0001  | 100    | 0000   | 0.001  | 0001       | 100                        | 0010 | 0010   | 0001   | 200   | 0001   |         | 000   |
|            | •    | 000     | 000   | 000   | 000    | 000    | 0.001  |            |                            | 000  | 200    |        |       |        |         |       |
| VI V       | 000  | 98      | 98.7  |       | 1000   | 000    |        | 100        |                            | 100  | 0100   | 100    | 100   | 100    | 00      |       |
|            | 60.7 | 98.7    | 98.7  | 000   | 100    | 100.0  | 0000   | 100.0      | 100                        | 00   | 0100   | 100.0  | 100.0 | 0000   | 0000    | 000   |
| 88         | 60.7 | 96.7    | 98.7  | 100.0 | 100.0  | 100.0  | 100.0  | 100.0      | 100.0                      | 1000 | 0100   | 100.0  | 100.0 | 100.0  | 100.00  | 000   |
| 88         | 100  | 1.86    | 1.86  | 0000  | 100.0  | 100.0  | 100.0  | 100.0      | 100                        | 100. | 0010   | 0.0010 | 100.0 | 0.001  | 0.001   | 0.00  |
|            | 000  | 1.00    | 1000  | 0000  | 001    | 1000   | 0.001  | 001        | 001                        | 0000 | 0000   | 0001   | 000   | 0001   | 0.00    | 000   |
| 80         | 600  | 98.7    | 98.7  | 0000  | 100.00 | 1000   | 100001 | 1000       | 100                        | 100  | 0100   | 100.0  | 1000  | 1000   | 000     | 000   |

0 0 0 0 0 0

0

0

150

TOTAL NUMBER OF OBSERVATIONS

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MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

S I

3

ALL HOURS (L S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

98.6 0.0010.0010.0010.0010.0010.0016.66 99.9 99.9100.0100.0100.0100.0100.066 66.66 99.9 99.9100.0100.0100.0100.0100.0100.0 0.0010.010.0100.0100.0100.0106.666 0.0010.0010.0100.0100.0100.0100.0100.66 6.66 0.0010.0010.00100.00100.00100.00100.66 6.66 0.0010.0100.0100.0100.0100.0100.0100.01 0.0010.0010.00100.0010.0010.0016.66 6.66 0.0010.0010.0010.0010.0010.0016.66 0.66 0.66 99.9100.0100.0100.0100.0100.0100.0 0.0010.0010.0010.0010.0010.0016.66 0.0010.0010.0100.00100.00100.0100.0100.01 0.0010.0010.0010.0010.0010.0016.66 6.66 0.0010.0010.0010.0010.0010.0010.0016.66 0.0010.010.0100.0100.0100.0100.0100.66 6.66 0.0010.0010.0010.0010.0010.0016.66 0.0010.0010.0010.0010.0010.0016.66 0.0010.00100.0100.0100.0100.0100.0100.0100.0100.01 99.9100.0100.0100.0100.0100.0100.0 99.9 99.9100.0100.0100.0100.0100.0100.0 0.0010.0010.0010.0010.0010.0010.00 1.66 1.66 ٨١ 8.86 98.6 6.86 VI VI 98.6 98.8 686 08.9 98.9 99.0 99.0 99.0 98.0 99.7 10/6 2 5/16 1.66 98.6 6.86 8.86 2 98.6 686 8.86 99.6 99.7 99.7 \* 1.16 98.6 6.86 8.86 K N 98.8 98.8 \_ ^I VISIBILITY (STATUTE MILES) 9.66 6.66 6.66 6.66 98.8 6.66 6.66 6.66 6.66 6.66 98.8 6.66 6.66 6.66 6.66 9.66 6.66 6.66 6.66 6.66 6.66 6.66 6.66 6.66 6.66 6.66 6.86 6.66 6.66 6.66 6.66 6.66 8.86 6.66 8.86 6.66 6.66 6.66 6.66 6.66 8.66 9.66 4.86 99.66 8.66 8.66 8.66 6.66 8.66 90.66 3.66 8066 9.66 8.66 8.66 9.66 8.66 9.66 8.66 8.66 8.66 8.66 1.86 8.66 90.6 8.86 98.8 8.66 8.66 90.66 8 66 8 66 8 66 7 8.66 8.66 4.86 98.8 8.66 8.66 8.66 8.66 8.66 66.5 9.66 8 66 8.66 8.66 8.66 8.66 8.66 8.66 8 66 8.66 8.66 8.66 9.66 8.06 8.66 8 66 8.66 8.66 6.96 98.7 1 2% 8.66 8.66 8.66 8.66 8.66 8.66 8.66 8.66 8.66 8.66 8.66 8.86 8.66 8.66 8.66 8.66 8.66 8.66 8.66 8.66 8.66 60.66 8.66 8.66 8.66 7.86 98.6 98.3 66.3 1.66 7.66 1.66 98.5 7.66 40.6 1.66 7.66 66. 7.66 7.66 7.66 1.66 99.7 1.66 66 66. 99.7 1.66 1.66 1.66 1.66 66 66 1.66 1.66 98 ٨I 4.66 4.66 6.86 4.66 98.0 6.86 4.66 4.66 4.66 4.66 4.66 4.66 4.66 4.66 4.66 4.66 4.66 4.66 1.66 4.66 4.66 4.66 4.66 4.66 4.66 4.66 49.4 N Al 66.3 2.86 98.3 0.66 66.6 66.3 66.3 8066 66.3 66.3 89.3 66.3 66.3 E . 66 66.3 66.3 89°3 8.66 E . 66 86.3 66.3 99.3 66.3 66.3 66.3 66.3 4 86.3 86.3 82.3 86.0 80.3 86.3 86.3 86.3 80.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 86.3 85.3 NO CEILING 80 (FEET) VI VI 00091 12000 × 20000 VI VI 000 000 000 000 2000 7000 3000 2000 800 88 88 88 88 2000 4500 1500 ALA

TOTAL NUMBER OF OBSERVATIONS

1200

SMOS DIRNAVOCEANMET

AI AI

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

02 HOURS (1.5.7.) JUL HOUSE

22

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

100

800

0.5 HOURS (1.5.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING    |      |         |          |        |           |         | NISIA          | BILITY (ST. | VISIBILITY (STATUTE MILES) | ES)    |        |         |         |              |         |       |
|------------|------|---------|----------|--------|-----------|---------|----------------|-------------|----------------------------|--------|--------|---------|---------|--------------|---------|-------|
| (FEET)     | 2    | 9 11    | 8 41     | 4      | e Al      | 2 2%    | 1 2            | V 1%        | ¥1 Y                       | - AI   | X AI   | *       | N S     | ≥ 5/16       | × Al    | O AI  |
| NO CEILING | 4.2  |         |          | 86.5   | 86.5      | 86.5    | 86.5           | 86.5        | 86.5                       | 86.5   | 86.5   | _       | 86.5    | 86.5         | 86.5    | 86.5  |
| ₹ 2000     | 7    |         | 89.7     | 89.7   | 89.7      | 89.7    | 89.7           | 89.7        | 89.7                       | 89.7   | 89.7   | 89.7    | 89.7    | 89.7         | 89.7    | 89.7  |
|            |      |         | 6.06     | 90.3   | 6006      | 90.3    | 90.3           | 90.3        | 90.3                       | 90.3   | 90.3   | 90.3    | 90.3    | 8006         | 90.3    | 90.3  |
| 14000      | 76.8 | 600     | 90.3     | 8003   | 6.06      | 90.3    | 6.06           | 90.3        | 90.3                       | 90.3   | 90.3   | 90.3    | 90.3    | 90.3         | 6006    | 90.3  |
|            | 0    |         | 93.0     | 93.0   | 93.6      | 93.6    | 93.6           | 93.6        | 93.6                       | 93.6   | 93.6   | 93.6    | 93.6    | 93.6         | 93.6    | 93.6  |
| 12000      | ~    | *       | **66     | 4.66   | 4.66      | 4.66    | 4.66           | 9.66        | 4.66                       | 4.66   | 4.66   | 4.66    | 4.66    | 4.66         | 4.66    | 4.66  |
|            | 30   | 0       | 100.0    | 100.0  | 100.0     | 0.001   | 0.001          | 0.001       | 100.001                    | 100.0  | 100.0  | 100.0   | 100.0   | 100.001      | 00.00   | 0000  |
| 000<br>AI  | 2    | 0       | 0100.0   | 0.001  |           | 100.00  | 100.001        | 0100.0      | 100.0                      | 100.0  | 100.0  | 0100.0  | 100.0   | 100.001      | 00.00   | 0000  |
|            | 3    |         | 100.0    | 100.0  | 100.0     | 0.001   | 0.001          | 0.0010      | 100.0                      | 0.001  | 100.0  | 100.0   | 100.0   | 100.0        | 00.00   | 0.00  |
| 7000       | *    |         | 100.0    | 100.0  | 0.0010.   | 100.0   | -              | 0,0010      | 100.0                      | 100.0  | 100.0  | 0100.0  | 10000   | 100.001      | 00.00   | 0.00  |
|            | 8    |         | 100.0    | 100.0  | 0.0010    | 0.001   | 0.001          | 0100.0      | 100.0                      | 1000   | 100.0  | 0100.0  | 100.0   | 0.001        | 00.00   | 0000  |
| 2000       | •    | 1000    | 10000    | 100.0  | 100.001   | 100.00  | 0100.0         | 0,0010      | 0.0010                     | 100.0  | 100.0  | 0,0010. | 100.0   | 100.001      | 10000   | 0000  |
|            |      | 00001   | 100.0    | 100.0  | 100.001   | 0000    | 0.001          | 0.0010      | 100.001                    | 00     | 0.0010 | 0.0010  | 100.0   | 100.0        | 00.00   | 0.001 |
| 8<br>1 A I | •    | 100.00  | 10000    | 100.0  | 0         | 100.0   |                | 0,0010      | 100.0                      | 100.0  | 100.0  | .0100.0 | 100.0   | 100,0100     | 0       | 0000  |
|            |      | 0000    | 100.0100 |        | 100.001   | 0000    | 0.001          | 0.0010      | 100.01                     | 00     | 0.0010 | 0100.0  | 100.0   | 00           | 0100.01 | 0.001 |
| 3000       | •    | 100.00  | 100.0100 | 0      | 0         | 10000   |                | 0,0010      | 100.001                    | 00     | 0100.0 | .0010.  | 100.0   | 00           | 0       | 0.001 |
| 1          |      | 0000    | 100.00   | 0.     | 100.001   | 0100.0  |                | 0.0010      | 100.001                    | 00     | 0.0010 | 0100.0  | 100.001 | 100          | 0100.01 | 0000  |
| 7 2000     |      | 100.0   | 100.0100 | 0      | 100.0100  | •       | 0100.0         | 0,0010      | 0.0010                     | 100    | 0100.0 | 0.0010. | 100.0   | 100.0100.001 | -       | 0000  |
|            | 65.8 | 0000    | 0.001    | 0.     | 100.0100  |         | 10000          | 0.0010      | 100.001                    | 00     |        |         | 100.0   | 100.0100.    | 6       | 0.00  |
| > 1500     | •    | 9100.0  | å        |        | 0100.0010 | 0000    | 0.0010         | 0100.0      | 0                          | 00     |        |         | 0,0010  | 10000        | 00.00   | 0000  |
| 2 1200     | •    | 00001   | -        | •      | 0100.0010 | •       | 0.001          |             | 100.001                    | 001    |        | 0.0010  | 0.001   | 100.0        | 0       | 0.00  |
| VI 1000    | 65.8 | 0000    | 0        | •      | 0100.0010 | 100.001 | 00             |             | 0100.0                     | 001    |        |         | 0.0010  | 100.0        | 100.001 | 0000  |
| 8<br>Al    | •    | 0000    | 0        | •      | 0.0010    | 0000    | 100001         | 0.0010      | 100.001                    | 00     | •.     | 0.0010  | 0.001   | 00.00        | 00.00   | 0.00  |
|            |      | 0000    | -        | 0.0010 | 0100.01   | 0000    | 0.00           | 0.0010      | 100.0                      | 00     | 0100.0 | 0.0010  | 100.001 | 00.00        | 100.001 | 00.00 |
| 70         |      | 00.00   | 0.001    | 100.0  | 100.001   | 0000    | 0.001          | 0100.0      |                            | 0000   |        | 0.0010  | 0.001   | 0.001        | 00.00   | 0000  |
|            | 8    | 0000    | 0.001    | 100.0  | 100.001   | 00.00   | 100.001        | 100.001     | 100.0                      | 0000   | 100.0  | 0100.0  | 100.0   | 100.001      | 00.00   | 0000  |
| 200        |      | 00      | 0.001    | 10000  | 100.001   | 0.001   | 0.001          | 100.001     |                            | 0.001  | 100.0  | 100.0   | 0.001   | 00.001       | 0       | 0.00  |
|            | 20   | 100.01  | •        | 0      | 100.001   | 0000    | 10000          | 100.00      | 100.00                     |        | 100.0  | 100.0   | 0.001   | 100.001      | 100.001 | 0000  |
| 88         | 3 20 | 100.010 | 000      | 100    | 100       | 000     | 000            | 0.0010      | 000                        | 000    | 1000   | 100.0   | 100.00  | 00.00        | 000     | 000   |
|            | 5.6  | 100.0   | 0.0      | 0.     |           | 0000    | 0.00           | 0.0010      | 0.00                       | 000    |        | 100.0   | 0.001   | 0000         | 00.00   | 0000  |
| 1          |      | 8       | 0010-001 | •      | 0.0010    | .0100.0 | 0100-0100-0100 | 00.00       | 0.001                      | .0100. | 0.0010 | 0.0010. | 0.001   | 100.001      | 00.00   | 00.00 |

TOTAL NUMBER OF OBSERVATIONS

155

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MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

CEILING VERSUS VISIBILITY

JUL MONTH OB

| PERCENTAGE FREQUENCY OF OCCURRENCE | (FROM HOURLY OBSERVATIONS) |
|------------------------------------|----------------------------|
| PERC                               |                            |

| CEILING    |       |     |        |      |        |      |      | VISI  | HLITY (ST | VISIBILITY (STATUTE MILES) | ES)   |       |       |      |       |       |       |       |
|------------|-------|-----|--------|------|--------|------|------|-------|-----------|----------------------------|-------|-------|-------|------|-------|-------|-------|-------|
| (FEET)     | 2 1   | Al  | S AI   | AI   | AI .   | AI . | 2%   | Z A   | 71 17     | 71                         | Ā     | AI N  | * Al  | Al   | AI Z  | 91/9  | N AI  | O AI  |
| NO CEILING | 15.5  |     | 5 76.1 | 16.  | 1 76.  | 1 18 | -    | 1.9   | 76.1      | 76.1                       | 76.   | 16.   | 1 76. | 94 1 | 1:    | 1.9   | 100   | 16.   |
| > 20000    | 80.0  |     | 0 80.7 | 80.  | 7 80.  | 7 80 | 1    | 80.7  | 80.7      | 80.7                       | 80.   | 80.   | 7 80. | 7 80 | .7 8  | 1.0   | 80.7  | 80.7  |
|            | 61.3  |     | 3 81.9 | 81.  | 8 81   | 9 81 | 6    | 6.1   | 81.9      | 81.9                       | 81.5  | 81.   | 9 81  | 18 6 | 8 6.  | 1.9   | 81.9  | 81.9  |
| 14000      | 81.9  |     | 9 82.0 | 82.  | 6 82   | 6 82 | 0    | 32.0  | 82.6      | 82.6                       | 82.6  | 5 82. | 6 82. | 6 82 | .6    | 2.6   | 82.6  | 82.6  |
|            | 89.7  |     | 7 90.3 | .00  | 3 90   | 3 90 |      | 30.3  | € 06      | 90.3                       | 90.3  | 90    | 3 90  | 3 90 | .3 9  | 0.3   | 90.3  | 90.3  |
| 12000      | 84.2  |     | 2 94.8 | 94.  | 96     | 8 94 | 100  | 94.8  | 8.46      | 94.8                       | 94.8  | 3 94. | 8 94. | 8 94 | .8 9  | 8.4   | 8.46  | 94.8  |
|            | 1.86  |     | 1 98.7 | 98.  | 1 98.  | 7 98 |      | 18.7  | 98.7      | 98.7                       | 98    | 86 /  | 7 98. | 1 98 | .7 98 | 8.7   | 7.86  | 98.7  |
| 000<br>AI  | 1.96  |     | 1 98.7 | .86  | 7 98.  | 7 98 | 1.   | 7.86  | 7.86      | 98.7                       | 98.1  | 98.   | 7 98. | 7 98 | .7 9  | 8.7   | 98.7  | 98.7  |
|            | 98.7  |     | 4 66 4 | 66   | 66 5   | 66 4 | *    | 39.4  | 4.66      | 4.66                       | 900   | 66    | 4 99  | 66 7 | 66 90 | 4.6   | 7.66  | 4.66  |
| 7000       | 98.7  |     | 4 99.4 | 66   | . 66 4 | 66 4 | *    | 7.66  | 4.66      | 4.66                       | 99.4  | .66   | 66 4  | 66 4 | 0 4.  | 4.6   | 4.66  | 99.4  |
| 1          | 98.7  |     | 4.66 6 | 66   | 66 5   | 66 4 | 3.   | 30.6  | 4.66      | 4.66                       | 900   | . 66  | 66 7  | 66 3 | 66 90 | 4.6   | 7.66  | 4.66  |
| 9005       | 98.7  |     | 7 99.4 | 66   | . 66 % | 66 4 | 3    | 30.4  | 4.66      | 4.66                       |       | .66   | 4 99. | 66 4 | 0 4   | 4     | 7.66  | 99.4  |
| 1          | 98.7  |     | 4 99.4 | 66   | 66 5   | 66 7 | 4.   | 30.66 | 7.66      | 4.66                       |       | .66   | 4 99. | 66 9 | 66 7. | 7.6   | 7.66  | 7.66  |
| 141        | 98.7  |     | 7 99.4 | 66   | . 66 . | 66 4 | 3    |       | 7.66      | 4.66                       |       | 66    | 4 99. | 66 5 | 0 4.  | 3.6   | 7.66  | 99.4  |
| 1          | 98.7  | 1   | -      | 66   | 66 7   | 66 4 | 3.   |       | 4.66      | 4.66                       | 9.66  | 66    | 66 7  | 66 5 | 6 4.  | 4.6   | 3066  | 7.66  |
| 3000       | 98.7  |     | 7 99.4 | 66   | 66 5   | 66 4 | *    | 4.66  | 4.66      | 4.66                       | 99.4  | . 66  | 66 5  | 66 5 | 0 3   | 4.6   | 7.66  | 99.4  |
| 1          | 7.66  | 66  | 4100.0 | 100  | 0100   | 0100 | 00   | 10.00 | 0.00      | 100.0                      | 1000  | 100   | 0100  | 0010 | 010   | 0.01  | 00.00 | 000   |
| 7 2000     | 4.66  | 66  | 4100.0 | 1001 | 0010   | 0100 | 0.   | 0000  | 0000      | 100.0                      | 100.0 | 100   | 0100  | 0010 | 010   | 0.01  | 00.00 | 000   |
|            | 4.66  | 66  | 6100.0 | 100  | 0010   | 0100 | 010  | 10.00 | 00.00     | 100.0                      | 100.0 | 100   | 0100  | 0010 | 010   | 0.01  | 00.00 | 000   |
| 2 1500     | 4.66  | 66  | 4100.0 | 100  | 1000   | 0100 | 0    | 10.00 | 00.00     | 100.0                      | 0     | 0100  | 0100  | 0010 |       | 10.0  | 00.00 | 0000  |
|            | 4.66  | 66  | 4100.0 | 100  | 0100   | 0100 | 010  | 10.00 | 00.00     | 100.0                      | 100.0 | 100   | 0100  | 0100 | 010   | 0.01  | 00.00 | 0000  |
| N 1000     | 366   | .66 | 4100.0 | 1001 | 0100   | 0100 | 010  | 10.00 | 00.00     | 100.0                      | 10000 | 100   | 0100  | 0100 | .010  | 0.01  | 00.00 | 00.00 |
| 0%         | 4.66  | 66  |        | 100  | 0010   | 0010 | 10.  | 10.00 | 00.00     | 100.0                      | 100.0 | 01    | 0100  | 0010 | 010   | 0.010 | 00.00 | 00.00 |
|            | 4.66  | 66  | 4100.0 | 100  | 0010   | 0100 | 010  | 10.00 | 00.00     | 100.0                      | 100,0 | 100   | 0100  | 0010 | 010   | 0.0   | 00.00 | 0000  |
|            | 30.66 | 66  | 4100.0 | 100  | 0010   | 0010 | 010  | 10.00 | 00.00     | 100.0                      | 100.0 | 100   | 0100  | 0010 | 010   | 0.010 | 00.00 | 0000  |
| 009        | 4.66  | 66  | 4100.0 | 1001 | 100    | 0100 | 010. | 10.00 | 00.00     | 100.0                      | 100,0 | 100   | 0100  | 0010 | 010   | 0.010 | 00.00 | 00.00 |
| 88         | 49.66 | .66 | 0.001  | 100  | 100    | 0010 | 010  | 10.00 | 00.00     | 100.0                      | 100.0 | 100   | 0100  | 0010 | 010   | 0.010 | 00.00 | 00.00 |
| 00<br>11   | 4.66  | 66  | 4100.0 | 1001 | 100    | 0100 | 010  | 0.0   | 00.00     | 100.0                      | 100,0 | 100   | 0100  | 0100 | 010   | 0.010 | 00.00 | 0000  |
| 300        | 5.66  | 66  | 01     | 100  | 100    | 010  | 010  | 10.0  | 00.00     | 100.0                      | 100.0 | -     | 0100  | 0010 | 010   | 0.01  | 00.00 | 000   |
|            | ***   | 66  | 0      | 100  | 100    | 0100 | 010  | 0.0   | 00.00     | 100.0                      | 100.0 | 100   | 0100  | 0010 | 010   | 0.010 | 00.00 | 000   |
| 8          | 4.66  | 66  | 410000 | 100  | .0010  | 0100 | 10.  | 10.00 | 0000      | 100.0                      | 100.0 | 100   | 0010  | 0010 | 010   | 0.01  | 00.00 | 000   |
| 1          | 77.4  |     | 0.001  | 100  | 0010   | 0100 | 0    | 00.00 | 00.00     | 100.0                      | 100.0 | 100   | 0010  | 0010 | 010   | 10.0  | 00.00 | 0000  |

TOTAL NUMBER OF OBSERVATIONS

155

### CEILING VERSUS VISIBILITY

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1

YEARS

11 HOURS (1.5.7.)

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 73-77 YUMA, ARIZONA

|                            |      | K =          |       | - 10 | m    |      | -    |            | -   |     |      | •   | •  | 0        | 0        | _    | 0    | 01  | 0    | 200  | -              | 0    | 0       | 0.0            | 10   | 0      | 00             |
|----------------------------|------|--------------|-------|------|------|------|------|------------|-----|-----|------|-----|----|----------|----------|------|------|-----|------|------|----------------|------|---------|----------------|------|--------|----------------|
|                            | 0    | ::           | •     | E    |      | •    | •    | :          |     | :   |      | :   | :  |          | :        | :    |      | :   | •    |      |                |      | :       |                | 1    | -      | ::             |
|                            | AI   | 80           | 8     | 5    | 8    | 16   | 0 0  | 6          | 6   | 66  | 66   | 66  | 66 | 8        | 8        | 8    | 8    | 8   | 88   | 30   | 8              | 8    | 8       | 80             | 8    | 8      | 80             |
|                            | -    |              | -     | 0    | 00   |      | -    |            |     | *   | 4    |     | 4  | 등        | 0        | 6    | 3    | 0   | 5 6  | 36   | 10             | 믕    | 믕       | 8              | 10   | 6      | 100            |
|                            | ×    | 6.           | -     |      | -    | :    | :    |            | 6   | 66  |      | :   |    | :        |          | •    |      | •   |      |      |                | i    | 0.0     |                | 0.0  | 0.0    | 000            |
|                            | AI   | 80           | æ a   | 0    | 96   | 000  | 0 0  | 99         | 66  | ŏ   | 66   | 66  | 66 | 8        | 00       | 00   | 00   | 00  | 88   | 0000 | 8              | 0010 | 901     | 00             | 100  | 100    | 0010           |
|                            |      |              | -     | 0    | 8    | 4 .  | -    | - 4        | 3   | 4   | 4    |     | 4  | 0        | 0        | 0    | 0    | 0   | 0    | 50   | 0              | 0    | 0       | 100            | 0    | 8      | 0              |
|                            | 5/16 | 87           | - 0   |      | 96   | 16   | 0    | 66         | 6   | 66  | 66   | 66  | 66 | 00       | 0        | ò    | 0    | 0   | •    | 900  | 00             | 00   | 00      | 00             | 00   | 100    | •001           |
|                            | AI   | 20 00        | 20 0  | 0    | 0    | 00   | 0    | . 0        | 0   | 0   | 0    | 0   | 2  | 2        | 100      | 100  | 100  | 100 | 000  | 20   | 2              | 2    | 2       | 90             | 2    | 20     | 100            |
|                            |      |              | -     | 0    | 0    | 4.   | -    | 4          | *   |     | 4    |     | *  | 0        | 0        | 0    | 0    |     | 9    | 0    | 0              | 0    | 0       | 00             | 0    | 0      | 00             |
|                            | 2    | 50           | 13    | 1    | 9    | 50   | 0 4  | 0          | 2   | 0   | 2    | 2   | 66 | 8        | 00       | 8    | 00   | 8   | 88   | 2 0  | 0              | 00   | 00      | 000            | 00   | 9      | 000            |
|                            |      | -            |       | -    | -    |      |      |            |     | •   | -    |     |    | -        | 100      | 11   | -    | 211 |      | 0100 | 70             | ¥.   | 6       | 010            | 0    | 0100   | 4              |
|                            | *    |              |       |      |      |      |      |            | 3   |     |      |     |    | 0000     |          | 0    |      | •   |      |      |                |      |         |                |      |        | 0.0            |
|                            | AI   | 87           | 20 0  | 5    | 96   | 60   | 0 6  | 200        | 66  | 99  | 6    | 66  | 66 | 8        | 00       | 8    | 00   | 8   | 88   | 36   | 0010           | 8    | 0010.00 | 0100           | 0100 | .00100 | 0010           |
|                            |      | -            |       | - 0  | 70   |      | _    |            |     | •   |      |     |    | -        | <b>,</b> | -    | _ ,  | -   | -    | 50   | 7              | 0    | 7       | 00             | E    | 3      | <u> </u>       |
|                            | *    |              | •     |      | •    | •    | -    |            |     | 66  | •    | 66  | 66 | 0.00     | 2        | 0    |      | •   | •    |      |                | -    | •       |                |      |        |                |
|                            | AI   | 87           | 8 0   | 6    | 96   | 60   | 200  | 6          | 66  | 6   | 66   | 66  | 6  | 8        | 00       | 8    | 00   | 00  | 001  | 001  | 8              | 100  | ટ       | 100            | 100  | 100    | 001            |
|                            |      | -            | -     | 0    | 0    |      | -    | . 4        | 3   | •   |      | *   |    | 6        | 6        | 6    | 0    | 0   | 5 6  |      | 0              | 0    | 0       | 00             | 0    | 0      | 0              |
|                            | -    | 01           | -     | -    |      | :    | 0 0  | 0 0        | 6   |     | 6    | 66  | 6  | 00       | 100      | 100  | 100  | 100 | 0001 |      |                | .00  | 00      | 000            |      | 100.   |                |
| 8                          | AI   | <b>20 20</b> | œ a   | 0    | 6    | 0 0  | > 0  | 0          | 6   | ò   | 0    | 0   | 66 | ō        | 0        | õ    | 0    | Ö   | 0    | 0    | 100            | ŏ    | ŏ       | 00             | 100  | Ö      | 001            |
| VISIBILITY (STATUTE MILES) |      | ~ -          | -     | 0    | 0    | 4 .  | -1   | - 4        | *   | 4   | *    | 4   | 4  | 0        | 0        | 6    | 0    | 0   | 0    | 3 0  | 0              | 0    | 6       | 00             | 6    | 0      | 00             |
| 1E /                       | 7.   | 87           | - 0   | ,    |      | 16   | 0 0  | 99         | 6   | 66  | 66   | 66  | 66 | 00       | 0        | 00   | 0    | 0   | •    | 000  | 0              | 0100 | •       | 001            | 0    | 0      | 00             |
| 1                          | AI.  | 20 00        | EC 4  |      | 0    | 0 0  | 20   | . 0        |     |     |      | 0   |    |          | 001      | 2    | 100  | 001 | 0010 | 20   | 0              | 2    | 100     | 001            | 0010 | 100    | 0010           |
| S                          |      | -            |       | . 0  | 8    | 4.   | :    |            | 3   | . 4 | 4    | 3   | 4  | 00.01    | 0        | 8    | 0    | 3   | 0    | 5 6  |                | 0    | 8       | 00             |      | 0      | 00             |
| 1                          | 71   | 87           | - 0   |      | 0    |      | 0 =  |            | 6   | 66  | 66   | 66  | 66 | o        | 00       | 0    | 100  | 0   | 00   | 000  | 0              | 0    | 00      | 0 0            | 0    | 0      | 00             |
|                            | ^'   | 200          | 20 0  | , 5  | 0    | or o | 70   |            |     |     |      |     | 5  | -        | -        | 2    | 0.   | ~ ! | 3 -  | 5 0  | 0100           |      | 2       | 0100           | 010  | 10     | 0100           |
| <u> </u>                   | ~    |              |       | 9    | 30   | 4.   | -    | 00         | 4.6 | 5.  |      | 4.6 | 4. |          |          | 0    |      | -   | 0    |      |                | 0    | -       |                |      | -      | -              |
|                            | AI   | 80           | 10 0  | 200  | 9    | 16   | 20 0 | 90         | 66  | 66  | 6    | 66  | 66 | 00       | 100      | 100  | 00   | 001 | 001  | 000  | 0              | 00   | 00      | 100            | 100  | 00     | 100            |
|                            |      | _            |       | 0    |      |      |      |            | -   |     |      |     |    | 0        | 0        | 6    | 0    | 0   | 3    | 50   |                | 0    | 3       | 00             | 6    | =      | 22             |
|                            | 3%   |              | •     | •    | •    | •    | •    | • •        |     | •   | •    | •   |    |          |          |      |      | •   |      |      |                |      |         |                |      |        |                |
|                            | AI   | 87           | 80 0  | 5    | 6    | 0 0  | 0 0  | 6          | 6   | 66  | 66   | 66  | 66 | 100      | 001      | 100  | 100  | 001 | 000  | 100  | 0              | 100  | 100     | 100            | 100  | 100    | 100            |
|                            |      |              | -     | 0    | 8    | 3.   | -    |            | *   | *   | 3    | *   | *  | 9        |          | 3    |      |     | 36   | 36   |                | 6    | 8       | 0 5            | 6    | 9      | 0100           |
|                            |      | 0.           | - 0   |      | 6.9  |      | 0 0  |            | 6   | 6   | 6    | :   |    | :        |          |      | 0    | 0   |      |      |                |      |         |                |      |        |                |
|                            | AI   | 80           | 00 0  | 0    | 6    | 0 0  | 2 0  | 0          | 0   | ō   | 6    | 66  | 66 | 100      | 0100     | 100  | 100  | 001 | 001  | 0010 | Ö              | 001  | 0100    | 0010           | 100  | 100    | 0010           |
|                            |      | 1 -          |       | 0    | 00   | 4 .  | -1   | 4          | 4   | 4   | 4    | 4   | 4  | 0        | 0        | Ö    |      | 0   | 0 6  | 5 6  | 0100           | 0    | O       | 00             | C    | 0      | 00             |
|                            | AI   | 80           | - 0   | , -  | 9    |      |      | 0          | 6   | 66  | 66   | 6   | 66 | 00       | 00       | 00   | 0    | 00  | 9    | 000  |                | 00   | 00      | 000            | 0    | 0      | 00             |
|                            |      | 80 00        | 00 0  |      | 6    | 0    | 0    | . 0        | 8   | 0   | 0    | 0   | 0  | -        | 01       | 2    | 100  | 2   | 25   | 2 5  | -              | 10   | _       | 20             | 100  | 100    | 100            |
|                            |      |              |       | 0    | 8    | 4.   | -    | - 4        | 3   | 4   | 4    | 4   | 4  | 0        |          | 0    | 0    |     | 0    | 5 0  | 0              | 0    | 0       | 00             | 0    | 0      | 00             |
|                            | AI   | 80           | -     | 1    | 9    | -    | 0 2  | 00         | 0   | 0   | 2    | 0   | 2  | ó        | 0        | 0    | 0    | 0   | g g  | 20   | 0              | 0    | ŏ       | 00             | 0    | 0      | 00             |
|                            |      |              |       | 1    |      |      |      |            |     |     |      |     | _  | 100.0100 | =        | =    | =    | =   | = -  |      | =              | -    | 7       | 7              | E    | =      | 33             |
|                            |      |              |       |      |      |      | -    |            | 4   | 4   | 3.   | 3.  |    |          |          |      |      |     | •    | . 0  |                |      |         |                |      |        | 00             |
|                            | AI   | 8 7          | 200   | 5    | 96   | 97.  | 200  | 66         | 66  | 66  | 66   | 66  | 66 | 00       | 00       | 8    | 00   | 00  | 88   | 300  | 00             | 00   | 00      | 000            | 00   | 8      | 000            |
|                            | -    |              |       |      | -    | -    | -    |            | 3   |     |      |     | 4  | 7        | 7        | 2    | =    | 2   | -    | 3 5  | 100.0100.0100. | =    | =       | 100-0100-0100- | E    | =      | 100.0100.0100. |
|                            | 2    |              |       |      | :    | 4.16 | •    | :          |     | :   |      |     |    | :        | :        | :    | :    | :   | =    |      |                | :    | :       |                |      | :      | ::             |
|                            | Al   | 80           | 8 4   | 5    | 96.8 | 6 0  | - 6  | 99         | 66  | 66  | .66  | 66  | 66 | 100.001  | 9        | 8    | 0    | 0   | 3 8  | 000  | 8              | 00   | 0       | 000            | 6    | 00     | 000            |
| -                          |      | -            | -     | +    |      | -    | +    |            | +   | _   | -    | -   | -  | _        | -        | _    | -    | -   |      | •    | -              | -    | _       | -              | -    | -      |                |
| 9                          | -    | NO CEILING   | 88    | 3 8  | 38   | 88   | 8    | 88         | 8   | 8   | 8    | 8   | 8  | 8        | 8        | 8    | 1800 | 8   | 1200 | 3    | 88             | 8    | 8       | 88             | 8    | 88     | 80             |
| CEILING                    | 1    | ZOOOD        | 18000 | 1    | 1200 | 000  | 8    | 8 6<br>8 8 | 3   | 90  | 4500 | \$  | 35 | 300      | 25       | 2000 | =    | -5  | 2    | 3 ,  |                | -    | •       | 4              | 1    | . "    | -              |
| 5                          | -    | 9 1          | AL    | 1    | IAI  | AI / | Al   | AI AI      | 1   | IAI | AI   | ٨I  | ٨١ | M        | AI       | ۸I   | AI   | ٨١  | Al   | AI / | IA IA          | A    | Al      | AIA            | 1 ^  | IAI    | ALAI           |
|                            |      | -            |       |      |      |      |      |            | _   |     | _    |     |    |          |          |      | _    |     |      |      |                | _    |         |                | 1    |        |                |

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

0

0

0

23195 STATION

### 1000

### CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14 100

| CEILING    |             |         |        |       |         |        | >     | VISIBILITY (STATUTE MILES) | (STATUTE | MILES) |      |         |       |       |      |       |      |     |
|------------|-------------|---------|--------|-------|---------|--------|-------|----------------------------|----------|--------|------|---------|-------|-------|------|-------|------|-----|
| (FEET)     | 2           | 9       | 80     | 4     | N AI    | 2 2%   | 71    | 71                         | Al       | 7 7    | -    | %<br>Al | * Al  | VI Z  | Al   | \$/16 | 2    | AI  |
| NO CEILING | 83.         | 83.9    | 83.9   | 83.9  | 83.9    | 83.9   | 83.9  | 83.                        | 9 83     | 8 6.   | 3.9  | 83.9    | 83.   | 63.   | 8 83 | 6.    | 83.9 | 83. |
| ≥ 20000    | 87.1        | 87.1    | 87.1   | 87.1  | 87.1    | 07.1   | 87.1  | 1 87.                      | 1 87     | .18    | 7.1  | 87.1    | 87.   | 1 87. | 1 87 | :     | 37.1 | 87. |
| N 18000    | 87.7        | 87.7    | 87.7   | 87.7  | 87.7    | 87.7   |       | 7 87.                      | 7 87     | .7 8   | 7.7  | 87.7    | 87.   | 87    | 7 87 |       | 87.7 | 87. |
| N 16000    | 87.7        |         | 87.7   | 87.1  |         |        |       | 87.                        | 7 87     | .78    | 7.7  | 87.7    | 87.   | 87.   | 0    |       | 17.7 | 87. |
| ≥ 14000    | 73.6        | 93.6    | 93.0   | 93.0  | 93.0    |        | 0     | 93.                        |          |        | 0    | 93.0    | 93.0  | 66 6  | 0 63 | 9.    | 93.6 | 93. |
| 12000      | 78.7        | 78.7    | 18.    | 98.7  | 186     | 78.    |       | . 86                       | 86 /     | . 7    |      | 18.1    | .86   | . 96  | 7 98 |       | 1.86 | 98. |
| V 10000    |             | 1.80    | 1.00   | 98.   | 1 86    | 000    | 98.7  | 96                         | 000      |        |      | 1.86    | 96    | 000   | 7 98 |       | 7.86 | 86  |
| 3          |             | **      |        | 7000  | •       | 7      | 29.4  |                            | 4        | •      | •    | ***     |       | 77    | -    |       |      |     |
| VIV        | 1000010001  | 00.00   | 000    | 100.0 | 100.001 |        | 100   | 100                        | 0010     |        | 0    | 000     | 100   | 100   | 0100 | 50    | 000  | 100 |
| 9009       | 100.0       | 100.00  |        | 100.0 |         | 100.0  | 100.0 | -                          | 0010     | 010    | 0    | 00.00   | 1001  | Sioo. | 0100 | 0     | 0000 | 100 |
| 8          | 100.00      | 100.001 | 0000   | 100.0 | 100.0   | 100.0  |       | 100                        | 0010     | 10     | -    | 00.00   | 100.0 | 0100  | 0100 | 0     |      | 100 |
| 4500       | 100.0       | 00.00   | 0.00   | 0.001 | 100.0   | 100.0  | 100.0 | 100                        | 0010     | 010.   | 10.0 | 00.00   | 100   | 0010  | 0100 | 0     | 0000 | 100 |
| 141        | 100001      | 100.001 | 00001  | 100.0 | 100.0   | 0100.0 | 100.0 | 1000                       | 0100     | .010   | 0.01 | 100.001 |       | 0100  | 0100 | 0     | 0000 | 100 |
| 3500       | 100.0       | 00.00   | 0.00   | 0.001 | 100.0   | 100.0  | 100.0 | 100                        | 0010     | 010.   | 10.0 | 100.0   | 100   | 3100  | 010  | 10.   | 0000 | 100 |
| 3000       | 10000       | 100.00  | 100.00 | 100.0 | 100.0   | 100.0  | 100.0 | 100.                       | 0010     | .0100  | 0    | 100.001 | 100.0 | 0010  | 0100 | 70    | 0.00 | 100 |
| 2500       | 100.00      | 100.00  | 0000   | 100.0 | 100.0   | 100.0  | 100.0 | 100                        | 0010     | 00100  | 0    | 100.001 | 100   | 3100  | 0100 | 10.   | 0000 | 100 |
| 7000       | 100.0       | 100.001 | 100.00 | 100.0 | 100.0   | 100.0  | 100.0 | 100.0                      | 0010     | .010.  | 10.0 | 00.00   | 100,0 | 0100  | 0100 | 6     | 0.00 | 100 |
| 1800       | 100.0       | 0000    | 0.001  | 100.0 | 100.0   | 100.0  | 100.0 | 100.                       | 0010     | .0100  | 0    | 0000    | 100   | 2100. | 0100 | 60    | 0.00 | 100 |
| > 1500     | 10000       | 100.001 | 00001  | 100.0 | 100.0   | 100.0  | 10000 | 1000                       | 0010     | .010   | 0.01 | 100.00  | 1000  | 0010  | 0100 | 0.    | 0000 | 100 |
| 1200       | 100.0100.0  | 10000   | 0.00   | 100.0 | 0.001   | 100.0  | 100.0 | 100                        | 0010     | 0010.  | 0    | 100.0   | 1001  | 0010  | 010  | 0.    | 0000 | 100 |
|            | 1000        | 00.00   | 00.00  | 000   | 0.001   | 100.0  | 100.0 | 1000                       | 0010     | 010.   | 0    | 100.0   | 000   | 0010  | 0100 | 0     | 0000 | 100 |
| 00<br>AI   | 000         | 000     | 0000   | 0001  | 0.001   | 100    | 1000  | 0010                       | 0010     |        | 0    | 0.001   | 1001  | Ti.   | 0100 | 0     | 0.00 | 100 |
| 8          | 0.001       | 0000    | 00.00  | 0.001 | 100.0   | 100.0  | 100.0 | 100.                       | 0100     | .010   | .01  | 00.00   | 1001  | 0010  | 0100 | 0     | 0000 | 100 |
| 8          | 10000       | 100.00  | 0000   | 0.001 | 100.0   | 100.0  | 100.0 | 100.                       | 0010     | 0010.  | 0    | 00.00   | 100   | 007   | -    | 0     | 0.00 | 100 |
| 9          | 100.0       | 100.00  | 00.00  | 0.001 | 100.0   | 100.0  | 10000 | 100.0                      | 0100     | .0100  | 0    | 100.001 | 1000  | 1000  | 0100 | 00    | 0.00 | 100 |
| 8          | 10000       | 100.00  | 0.001  | 0.001 | 100.0   | 100.0  | 100.0 | 100.                       | 0100     | 010    | 10.0 | 0000    | 001   | 0010  | 0100 | 0.    | 0000 | 100 |
| 007 ~      | 10001       | 100.00  | 00.00  | 100.0 | 100.0   | 100.0  | 100.0 | 1000                       | 0100     | 010.   | 0.0  | 100.001 | 1000  | 0010  | -    | 00    | 0000 | 100 |
| 38         | 100.0100.01 | 0000    | 0000   | 0.001 | 100.0   | 100.0  | 100.0 | 100.                       | 0010     |        | 0    | 00.00   | 100   | 0016  | 0100 | 010   | 0.00 | 100 |
| 8          | 100         | 00.00   | 0.00   | 000   | 100.0   | 100    | 10001 | 100                        | 0010     |        | 000  | 0000    | 000   | 0010  | 010  | 0     | 000  | 001 |
| 8          | 000         | 0000    | 0.00   | 0.001 | 0       | 1000   | 1000  | 001                        | 0010     | 010    | 1000 | 000     | 100   | 0010  | 0100 | 0.    | 0.0  | 8   |
| •          | 100.001     | 10000   | 0000   | 0001  | 100.0   | 100.0  | 100.0 | 100                        | 0010     | 010    | 10.0 | 10001   | 0001  | 0010  | 0100 | 0     | 0.00 | 100 |

Or.

0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

JUL MONTH 17

200

| CEILING    |              |       |         |       |        |        | 5      | VISIBILITY (STATUTE MILES) | (STATUTE | E MILES | 6    |          |       |       |       |        |      |      |     |    |
|------------|--------------|-------|---------|-------|--------|--------|--------|----------------------------|----------|---------|------|----------|-------|-------|-------|--------|------|------|-----|----|
| (FEET)     | 2 1          | ۸I    | 8 41    | VI    | N AI   | 2 2%   | 7 4    | 71                         | ٨ŝ       | 7.1     | - 41 | Al<br>Al | AI AI |       | 2     | 2 5/16 | ۸۱   | 2    | AI  |    |
| NO CEILING | 84.5         | 84.5  |         | 84.   | 5 84.  | 5 34.3 | 84.    | \$ 84.                     | 8 S      | .5      | 84.5 | 84.      | 2 84  | .5 8  | 4.5   | 84.    | 5 8  | 50   | 84. | 5  |
| > 20000    | 89.7         | 89.7  | 89.7    |       | 7 89.  | 7 89.7 | 7 89.  | 68 1                       | 1 89     |         | 89.7 | 89.      | 68 /  | .7    | 9.7   | 89.    | 7 8  | 6.1  | 89. | 7  |
| 18000      | 91.6         | 91.6  | 91.6    | 91.   | 6      |        | 91.    | \$ 91.                     | 6        | 0       | 9116 |          | 16 9  | 0     | 1.6   | 91.    | 0    |      | 16  | 9  |
| 14000      | 6.26         | 92.9  | 92.9    | 92.   | 9 92.  | 9 92.9 | 92.    | 9 92.                      | 9 92     | •       | 92.9 | 92.      | 9 92  | 6     | 2.9   | 92.    | 6    | 5.9  | 92. | 0  |
| 14000      | 1.96         | 96.1  | 96.1    | 96    | 1 96.  |        | 1 96.1 | 96                         | 1 96     | -       | 1096 | 96       | 96 1  | 6 1 0 | 1.0   | 96     | 1 96 | 700  | 96  | -  |
| 7 12000    | 98.1         | 98.1  | 98.1    | 98    | 1 98.  | 1 98.1 | 1 98.1 | . 86                       | 1 98     | 7.      | 98.1 | 98.      | 1 98  | 1 0   | 8.1   | 98.    | 1 98 | 3.1  | 98. | -  |
| 10000      | 4.66         | 4.66  | 4.66    | 66    | * 66 % | 66 4   | 7.66   | 66 5                       | 66 7     | *       | 4.66 | 66       | 66 4  | 6 4 9 | 4.6   | 99.    | 4    | *    | 66  | 3  |
| 000        | 100.0100.010 | 0000  | 10000   | 100   | 0010   | 0100.0 |        | 0010                       | 0010     | 0       | 0.00 | 100      | 0010  | 010   | 0.0   | 100    | 010  | 9.0  | 00  | 0  |
| 9000       | 100.0        | 0000  | 100.0   | 100   | 0100   | 0100.0 | 0010   | 0100                       | 0010     | 0.      | 0000 | 100      | 0010  | 010   | 0.0   | 100    | 010  | 0.0  | 00  | 0  |
| 141        | 100.001      | 0000  | 100.0   | 100   | 0100   | 0100.0 | 10000  | 1000                       | 0100     | 0       | 0000 | 100      | 0100  | 010   | 0.0   | 100    | 010  | 10.0 | 00  | 0  |
| 9009       | 100.0        | 0000  | 100.0   | 100   | 0010   | 0100.0 | 1000   | 0010                       | 0010     | .0      | 0000 | 100.     | 2100  | 010   | 00.00 | 100    | 010  | 100  | 00  | C  |
| 2000       | 100.001      | 0000  | 100.0   | 100   | 0100   | 0100.0 | 10000  | 0100                       | 0100     | 0       | 0.00 | 100      | 0100  | 010   | 000   | 100.   | 010  | 9.0  | 00  | 0  |
| 4500       | 100.0        | 0000  | 100.0   | 100   | 0100   | 0100   | 1000   | 0010                       | 0010     | .0      | 0000 | 100      | 0010  | 010   | 0000  | 100    | 010  | 10.0 | 00  | 0  |
| 10         | 100.001      | 0.001 | 10000   | 100   | 0100   | 0100.0 | 10001  | 100.                       | 0010     | 0       | 0000 | 100.     | 0100  | 010   | 0000  | 100    | 010  | 10.0 | 00  | 0  |
| 3500       | 100.0        | 0000  | 100.0   | 100   | 0010   | 0100   | 1000   | 0010                       | 0010     | 0       | 0000 | 100      | 0100  | 010   | 0000  | 100    | 010  | 1000 | 00  | 0  |
| 3000       | 100.001      | 0000  | 100.0   | 100   | 0100   | 0100.0 | 100.0  | 0100                       | 0100     | 9       | 0000 | 100      | 0010  | 000   | 00.00 | 100    | 0010 | 1000 | 00  | 0  |
| 2500       | 100.0        | 0000  | 100.0   | 100   | 0010   | 0100   | 10016  | 0100                       | 0010     | 100     | 0000 | 100      | 0100  | 010   | 0000  | 100    | 010  | 1000 | 00  | 0  |
| 7 2000     | 100.001      | 0000  | 10000   | 100   | 0010   | 0100.0 | 10000  | 0100                       | 0100     | 3       | 0.00 | 100      | 0100  | 070   | 0000  | 100.   | 0100 | 1000 | 00  | 0  |
| 1800       | 100.0        | 0000  | 100.0   | 100   | 0010   | 0100.0 | 10000  | 0010                       | 0100     | 10.     | 0000 | 100      | 0100  | 010   | 0.0   | 100    | 010  | 10.0 | 00  | 0  |
| 1300       | 100.0100.001 | 0000  | 100.0   | 100   | 0100   | 0100.0 | 10000  | 3100.                      | 0100     | 10.     | 0000 | 100      | 0100  | 010   | 0.0   | 100    | 0100 | 10.0 | 00  | 0  |
| 1200       | 100.0        | 0000  | 100.0   | 100   | 0010   | 0100   | 1001   | 0010                       | 0010     | 0       | 0000 | 100      | 0010  | 010.  | 0.0   | 100    | 010  | 0.0  | 00  | 0  |
| 141        | 100.0100.010 | 0000  | 100.0   | 100   | 0100   | 0100.0 | 1000   |                            | 0100     | 6       | 0000 | 100      | 0100  | 010   | 000   | 100    | 010  | 9.0T | 00  | 0  |
| 8          | 100.001      | 0000  | 100.0   | 100   | 0010   | 0100   | 1000   | 0010                       | 0010     | 0.      | 0    | 100      | 0010  | 010   | 0.0   | 100    | 010  | 10.0 | 00  | 0  |
| 008<br>AI  | 10000        | 0000  | 10000   | 100   | 0010   | 0100   | 10001  | 0010                       | 0100     | 0       | 0000 | 100      | 0100  | 010   | 0.0   | 100    | 010  | 9.0  | 00  | 0  |
| 90         | 100.0        | 0000  | 100.0   | € 001 | 0010   | 0100   | 100.0  | 0010                       | 0010     | .01     | 0    | 100      | 0010  | 010   | 0.0   | 100    | 010  | 10.0 | 00  | 0  |
| 009<br>AI  | 100.0100.010 | 0000  | 100.0   | 100   | 0010   | 0100   | 10016  | 100                        | 0100     | .0      | 0000 | 100      | 0100  | 010   | 0.0   | 100.   | 010  | 9.0  | 00  | 0  |
|            | 100.00       | 0000  |         | 100   | 0010   | 0100   | 1001   | 0010                       | 0010     | 10.     | 0.00 | 100      | 0010  | 070   | 0.0   | 100    | 010  | 10.0 | 00  | 0  |
| N 400      | 100.0100.010 | 0000  |         | 100   | 0010   | 0100   | 10016  | 100                        | 0100     | .01     | 0000 | 100      | 0010  | 010   | 0.0   | 100    | 010  | 9.0  | 8   | 0  |
| 38         | 100.0100.010 | 0.00  | 0.00100 | 100   | 0100   | 0100   | 0010   | 1000                       | 0100     | 00      | 000  | 100      | 0010  | 010   | 0.0   | 100    | 010  | 000  | 80  | 00 |
|            | 100.0100.    | 000   | 0.0010  | 100   | 0010   | 0100   | 1001   | 100                        | 0100     | .01     | 0000 | 100      | 0010  | 010   | 0.0   | 100    | 010  | 0.0  | 00  | 0  |
| ٨١         | 100.01       | 8     | 100.0   | 100   | 0100   | 0100   | 1001   | 100                        | 0010     | 0       | 000  | 100      | 0010  | 010   | 0.0   | 100    | 010  | 9    | 00  | 0  |

TOTAL NUMBER OF OBSERVATIONS

155

=

SMOS DIRNAVOCEANMET

YUMAS ARILUNA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20 JUL HONTE

200

| STATUTE MILES)             | 0 1 % 1 91/9 1 % 1 % 1 1 1 % 1 1 1       | 83.9 84.5 84.5 84.5 84.5 84.5 84.5 84.5 | 89.7 90.3 90.3 90.3 91.0 91.0 91.0 91.0 | 92.9 93.6 93.6 93.6 93.6 94.2 94.2 94 | 98.1 98.7 98.7 98.7 98.7 99.4 99.4 | 98.1 98.7 98.7 98.7 98.7 99.4 99.4 | 7 99.4 99.4 99.4 | .7 99.4 99.4 99.4 99.4100.0100.011 | 98.7 99.4 99.4 99.4 99.4100.0100.01 | 98.7 99.4 99.4 99.4 99.4100.0100. | .7 99.4 99.4 99.4 99.4100.0100.01 | 8.7 99.4 99.4 99.4 99.4100.0100.01 | 8.7 99.4 99.4 99.4 99.4100.01100.011 | 8.7 99.4 99.4 99.4 99.4100.0100.010 | 010.0010.0014.66 4.66 4.66 4.66 7.66 7.66 7.66 7.66 | . 7 99.4 99.4 99.4100.0100.01 |
|----------------------------|--|---|---|---------------------------------------|------------------------------------|------------------------------------|------------------|------------------------------------|-------------------------------------|-----------------------------------|-----------------------------------|------------------------------------|--------------------------------------|-------------------------------------|---|-------------------------------|
| VISIBILITY (STATUTE MILES) | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \    | 3.9 84.5 84                             | 90.3 91.0 91                            | 9 93.6                                | 3-1 98.7                           | 98.1 98.7                          | 7.99.4           | 7 99.4                             | 1 99.4                              | .7 99.4                           | 7 99.4 9                          | 7 99.69                            | 8.7 99.4                             | 8.7 99.4                            | 99 4 99 4 99  | 8.7 99.4 99                   |
| VISIBILITY                 | 2 2% 2 2 2 1%                            | 88.4 88.4 88                            | 90.3 90.3 9                             | 8 96.8 96.8 96                        | 98.1 98.1 9                        | 98.1 98.1 9                        | 7 98             | 6 7 .                              | 98.7                                | .7 98.7 98<br>.7 98.7 98          | 7 98.7 9                          | 8.7.9                              | 7 98.7 98                            | 7 98.7                              | 86 7 98 7 98  | 7 98.7                        |
|                            | VI V | 83.2 63.2 83.                           | 89.0 89.0 89.                           | 3 92.3 9                              | 97.4 97.4 98.                      | 97.4 9                             | 98.1 98.1 98.    | 98.1 98.1 98.                      | 98.1 98.1 98.                       | .1 98.1                           | 1 98.1 9                          | 1 98.1                             | 1 98-1 9                             | 1 98.1 9                            | 11.88   | 98.1 98.1 98.                 |
| 9                          | 9 11                                     | 87.7 87.                                | 89.0 89                                 | 92.3 92.                              | 97.4 97.                           | 97.4 97.                           | 98.1 98.         | 96.1                               | 98.1                                | 98.1 98.                          | 98.1 98.                          | 98.1 98.                           | 98.1 98.                             | 98.1.98                             | 98.1 98.  | 988-198-1                     |
| CELLIN                     | (FEET)                                   | NO CEILING                              | 1 1 8000<br>1 4000                      |                                       | VI VI<br>000<br>000<br>000<br>000  | 7000<br>7000                       | 9 %<br>A1 A1     | VI VI<br>86                        | 3300                                | 1414                              | VI VI<br>882                      | VI VI<br>88                        |                                      |                                     |   | NINI NIN                      |

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

### **CEILING VERSUS VISIBILITY**

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23 HOURS (1.5.7.) JUN HONTH

=

| CEILING    |      |         |       |          |         |         |         |          |        | •    |         |         |         |        |        |       |     |
|------------|------|---------|-------|----------|---------|---------|---------|----------|--------|------|---------|---------|---------|--------|--------|-------|-----|
| (FEET)     | 2    | o<br>Al | \$ 41 | 7        | e 41    | ≥ 2%    | 2 4     | 71 77    | ¥1 V   | -    | %<br>Al | *       | Z<br>Al | 2 5/16 | 1 Al   | AI .  |     |
| NO CEILING | 4.89 | 200     | 86.5  | 86.5     | 86.5    | 86.5    | 86.5    | 86.5     | 86.5   | 86.5 | 86.5    | 86.9    | 90      | 5 86.  | 5 86.  | 989   | 50. |
| 3          |      | 20.4    | 40.7  | 6.6      | 80.7    | 89.7    |         |          | 89.7   | 89.7 | 89      |         | 68      |        | 7 89   | 7 69  | -   |
| 141        |      | 90.3    | 90.3  | 0.3      |         | 90.3    | 90.3    | 90.3     | 90.3   |      | 90.3    | 90.3    |         | 3 90   | 3 90.  | 3 80  | 3   |
|            |      | 92.9    | 65.6  | 93.6     | 93.6    | 93.6    | 9.86    | 93.6     | 93.6   | 93.6 | 93.6    | 93.6    | 93.     | 6 93.  | 6 93.  | 6 93  | 0   |
| 12000      |      | 96.1    | 96.1  | 8.96     | 8.96    | 8.96    | 96.8    |          | 8.96   | 8.96 | 96.8    | 96.8    | 96      | 8 96.  | 8 96.  | 96 8  | 80  |
|            |      | 4.16    | 4.16  | 1.86     | 1.86    | 1.86    | 1.96    | 1.86     | 1.86   | 98.1 | 98.1    | 98.1    | .86     | 86 1   | 1 98.  | 86 1  | -   |
| 000        |      | 97.4    | 4.16  | 98.1     | 1.86    | 98.1    | 98.1    | 98.1     | 98.1   | 98.1 | 98.1    | 98.1    | 98      | 1 98.  | 1 98.  | 1 98  | -   |
|            |      | 98.1    | 1.86  | 186      | 7.86    | 1.86    | 1.86    | 98.7     | 18.1   | 98.7 | 98.1    | 98      | 98.     | 1 98.  | 7 98.  | 1 98  | -   |
| 700        |      | 7.86    | 98.7  | 4.66     | 4.66    | 30.66   | 4.66    | 4.66     | 4.66   | 4.66 | 4.66    | 99.4    | 66      | 66 +   | . 66 4 | 66 4  | 4   |
| 1          |      | 98.7    | 48.7  | 30.66    | 4.66    | 3.66    | 4.66    | 7.66     | 4.66   | 7.66 | 4.66    | 99.4    | 66      | 66 9   | * 66 7 | 66 9  | 3   |
| 88         |      | 4.66    | 99.41 | 00.00    | 00.00   | 10.00   | 0000    | 00.00    | 00.00  | 0.00 | 100.0   | 100.0   | 1000    | 0100   | 0100   | 0100  | 0   |
|            |      | 4.66    | 99.41 | 10.00    | 10.00   | 10.00   | 0       | 00.00    | 00.00  | 0.00 | 100.0   | 100.0   | 100     | 0010   | 0010   | 0010  | 0   |
| 1 41       |      | 4.66    | .41   | 00.00    | 100.001 | 0       | 0       | 100.001  | 00.00  | 0.00 | 100.0   | 100.001 | 10000   | 0010   | 0100   | 0010  | 0   |
|            |      | 4.66    | 99.41 | 10.00    | 100.001 | 10.00   | 0       | 00.00    | 00.00  | 0.00 | 100.0   | 100.0   | 100     | 0100   | 0010   | 0100  | 0   |
| 300        |      | 4.66    | 4.    | 100.001  | 100.001 | 0       | 3       | 00.00    | 00.00  | 0.00 | 100.0   | 0100.0  | 100.0   | 100    | .00100 | .0100 | 0   |
| 1          |      | 40.66   | 14.66 | 0010.00. | 10.     | 10.00   | 3       | 00.00    | 00.00  | 0.00 | 0000    | 100.0   | 100.    | 0010   | 0010   | 0010  | 0   |
| 200        |      | 4.66    | 99.41 | 00.00    | 100.001 | 6       | 00.00   | 00.00    | 00.00  | 0000 | 100.0   | 100.0   | 100     | 0100   | 001    | 0010  | 0   |
|            |      | 4.66    | 14.66 | 00.00    | 100.001 | 100.01  | 0       | 100.001  | 00.00  | 0000 | 0001    | 100.0   | .00     | 0100   | .0010. | 00100 | 0   |
| 1 11       |      | 4.66    | 99.41 | 00.00    | 100.001 | 100.01  | 100.001 | 00.00    | 00.00  | 0.00 | 100.0   | 100.01  | 1000    | 0.0010 | 0010   | 0100  | 0   |
| 1          | 1 -  | 30.66   | 14.66 | 00.01    | 10.00   | 10.00   | 0       | 100.001  | 00.00  | 0000 | 100.0   | 001     | 00      | 0100   | 0010   | 0010  | 0   |
| 90         |      | 4.66    | 99.41 | 00.00    | 00.00   | 00.01   | 0       | 00.00    | 00.00  | 0.00 | 100.0   | 100.001 | 10000   | -      | 0100   | 0010  | 0   |
|            |      | 40.66   | 14.66 | 10.00    | 00.00   | 10.00   | 5       | 00.00    | 00.00  | 0.00 | 100.0   | 100.0   | 100     | 0100   | 0010   | 0010  | 0   |
| 8          |      | 4.66    | 99.41 | 00.00    | 00.00   | 100.01  | 00.00   | 00.00    | 00.00  | 0.00 | 100.0   | 100,0   | 100.00  | 00     | .0010. | 0100  | 0   |
|            |      | 40.66   | 14.66 | 00.00    | 00.00   | 10.00   | 0       | 00.00    | 00.00  | 0000 | 100.0   | 100.0   | 100     | 0010   | 0010   | 0010  | 0   |
| 8          |      | 4.66    | 99.41 | 00.01    | 00.01   | 00.00   | 00.00   | 00.00    | 00.00  | 0000 | 100.0   | 100.0   | 100     | 0100   | 0010   | 0100  | 0   |
|            |      | 30.4    | 14.66 | 00.01    | 10.00   | 10.00   | 100.001 | 00.00    | 00.00  | 0.00 | 100.0   | 100,0   | 100     | 51.00  | 0100   | 0010  | 0   |
| 8          |      | 4.66    | 99.41 | 00.00    | 00.00   | 00.00   | 100.001 | 00.00    | 00.00  | 0.00 | 100.0   | 100.0   | 100     | 0010   | 0100   | 0000  | 0   |
| 8          |      | 4.66    | 4.66  | 10000    | 0       | 100.001 | 3       | 100.001  | 00.00  | 000  | 000     | 0001    | 100     | 0100   | 0100   | 0010  | 00  |
|            |      |         |       | 0000     | 000     | 5000    | 0.00    | 000      | 000    | 2    | 000     |         |         | 000    | 0000   | 201   | 2 6 |
| 8°         |      | 4.66    | 99.41 | 00.0000  | 0010.00 | 00      | 100001  | 100.0100 | 00.000 | 00   | 100.0   | 100     | 1000    | 0100   | 0010   | 0010  | 00  |

TOTAL NUMBER OF OBSERVATIONS

155

100

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

73-77

JUL HONTH

200

ALL HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING   |      |         |       |       |       |      | VISI | VISIBILITY (STATUTE MILES) | NTUTE MILE | (S)   |      |      |        |        |       |        |
|-----------|------|---------|-------|-------|-------|------|------|----------------------------|------------|-------|------|------|--------|--------|-------|--------|
| (FEE)     | 5 7  | o<br>Al | 8 41  | *     | AI AI | 2 2% | N Al | 71 78                      | 71 7       | -     | AI   | *    | Z AI   | ≥ 5/16 | N N   | ٨١     |
| O CEILING |      |         |       | 3.    | 3.    | 25   | 3.   | 3.                         | 3.         | 3.    |      |      | 3      |        | 83.   | 83.8   |
| ¥ 20000   |      |         | 87.7  | 87.7  | 87.8  |      | 87.8 | 87.8                       | 87.8       | 87.9  | 87.9 | 87.9 | 87.9   | 88.0   |       | 88.0   |
|           |      |         |       | 00    | 8     | 88.6 | 8    | 8                          |            | 8     |      |      |        |        |       | 88.8   |
| 00091     |      |         |       | 89.0  |       |      |      |                            |            | •     | 89.5 |      |        | 89.3   |       | 89.3   |
|           |      |         |       | 3     |       |      | 3    | 3                          |            |       |      |      |        |        |       | 3      |
| 12000     |      |         | 97.3  | 97.3  |       | 97.4 |      | 97.4                       | 97.4       | -     |      | 97.5 | 97.5   | 97.6   | 91.6  | 1.     |
| -         |      |         |       | 98.7  |       |      |      |                            |            | 98.9  |      |      |        | 0.66   |       | •      |
| 0006      | •    |         |       | :     |       | •    | 6    | 6                          |            | 6     |      |      |        |        |       | 2.66   |
|           |      |         |       |       |       |      |      | 6                          |            |       |      |      |        | 66.8   |       |        |
| 7000      |      |         |       |       | 39.5  |      | 6    | 6                          | 66.8       | 9066  |      |      |        |        |       | 6      |
| 1         |      |         |       |       |       |      | 6    | 6                          |            | 6     | 1.66 |      |        | 80.66  |       | 8.66   |
| 2000      | •    |         |       |       |       | 1.66 |      | 6                          |            | 6     | 99.8 |      |        | 99.8   |       |        |
| 1         |      |         |       |       |       |      | 6    | 6                          |            | 6     |      |      |        |        |       | 99.8   |
| 1 4000    |      |         |       |       | 1.66  |      |      |                            | 1.66       |       |      |      | 8 . 66 | 8.66   | 8.66  | 99.8   |
| 1         |      |         |       |       |       |      | 6    | 6                          |            | 6     |      |      |        |        | 66    | 99.66  |
| 3000      |      |         | 99.66 |       | 8.66  | 8.66 |      |                            | 8.66       | 8.66  | 99.0 |      | 3.66   | 66.66  | 6.66  | 6.66   |
| 1         |      |         |       |       |       | 8 66 | 6    | 6                          |            | 6     |      |      |        | 0000   | 100   | 0.001  |
| 7000      |      |         | 1.66  |       |       |      | 6    | 6                          | 8.66       | 6     | 6.66 |      |        |        | 100.  | 0.001  |
| 1800      |      |         | 1.66  |       |       | 99.8 | 6    |                            |            | 6.66  |      |      | 6.     | 100.0  | 100   | 0.001  |
| ≥ 1500    | •    |         | 1.66  |       |       |      | 6    | 6                          |            | 6     | 6.66 |      | 6.     | 00     | 100   | 0.001  |
|           | •    |         | 1.66  |       |       | 8 66 |      |                            | 8.66       | . 6   |      |      | 6.     |        | 100   | 0.001  |
| 0001 ~1   |      |         | 1.66  | 99.8  | 96.6  |      | 0    |                            |            | 6     | 6.66 |      | 6      | 00     | -     | 0.001  |
| 8         | •    |         | 1000  |       |       |      |      | •                          | •          | 6     |      |      |        |        | 001   | 0.001  |
|           |      | •       | 100   | 27.00 | •     | •    | 6    | :                          | •          | 6     |      |      |        | 000    | 000   | 0000   |
| 88        |      |         | 100   |       | 0 0 0 | 000  |      | 0                          | 000        |       | 000  |      | . 0    | 9      | 001   |        |
|           | •    |         | 90    | 0     |       | •    | -    | •                          | •          |       | •    |      | . 0    |        | 3     |        |
| 88        |      |         | 7.66  | 000   |       |      |      |                            | 0 0        | . 0   | 6.66 | 6.66 | 6.66   | 00     | 000   | 0      |
|           |      |         | 4.66  | 0     |       |      |      | 6                          |            | 6     |      |      |        |        | 0     |        |
| 141       |      |         | 1.66  | 0     |       | 8.66 | 8.66 |                            | 8.66       |       |      |      |        | .00    | 100.0 | 0.001  |
| 8         | 93.0 | 60.66   | 1.66  | 8.66  | 8.66  | 8.66 | 8.66 | 8.66                       | 8.66       | 6.66  | 6.66 | 6.66 | _      | 10000  |       | 0.001  |
|           | •    |         | 2.66  | 99.8  | 8.66  | 99.8 |      |                            |            | 60.66 | 6.66 | 6.66 | 6.     | 0      | 100.0 | 00.001 |

TOTAL NUMBER OF OBSERVATIONS

1240

100

SMOS DIRNAVOCEANMET

YUMA, ARIZONA

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

AUG

02 wouns (1 \$ 7 )

| CEILING       |      |             |        |        |      |       |      |      | VISIB | IILITY (S | VISIBILITY (STATUTE MILES) | MILES) |       |      |      |      |      |      |       |     |      |      |       |
|---------------|------|-------------|--------|--------|------|-------|------|------|-------|-----------|----------------------------|--------|-------|------|------|------|------|------|-------|-----|------|------|-------|
| (FEET)        | 9 AS | o<br>Al     | AI     | AI     |      | e Al  | 1 2% | AI   | ~     | ¥1 ¥1     | VI<br>7.                   |        | -     | AI N | -    | *    | N Z  | ٨١   | 5/16  | Al  |      | O AI |       |
| NO CEILING    | 74.8 | 93.6        |        | 94     | 00   | 9.0   | 93.  | 8 93 | 0 20  | 93.6      | 93                         | 0.0    | 3.6   | 93   | 00   | 3.5  | 93   | 0 0  | 3.6   | 93  | 0 20 | 93.  | lo m  |
| 18000         | 75.5 |             | 95.5   | 95     | 20 A | 5.5   | 95   | 60   | 5     | 95.       | 95                         | 90     | 5.5   | 95   | 200  | 5.5  | 95   | 200  | 5.5   | 95  | 50   | 95.  | To it |
|               |      |             |        | 6      | 4    | 4:4   | 97.  | 4 97 | 1 5   | 97.       |                            | 1 3    | 7.4   | 16   | 1 3  | 4.   | 16   | 1 4  | , ,   | 16  | 13   | 16   | 1     |
| 12000         | 77.4 |             | 3.+6 · | 97     | 6    | 7.4   | 97.  | 16 5 | 4     | 97.4      | . 97                       | 4      | 7.4   | 97   | 4    | 7.4  | 97   | 4    | 97.4  | 97  | 4    | 97.  | *     |
| VI VI<br>0000 | 77.6 | 98.1        | 98.1   | 98     |      | <br>  | 98   | 86   | 7-    | 98.       | 86                         | ~ ~    | 8 8 1 | 86   | 1 0  | 8.1  | 98   |      | 98.1  | 98  |      | 98.  | -     |
| 1             | 78.1 | -           | 6      | 86     | 7    | 8.7   | 98   | 96   | -     | 98.       | 1 98.                      | 7 9    | 0     | 86   | 1    | 8.7  | 86   | -    | 18.7  | 86  |      | .86  | 1     |
| 7000          |      | 0           |        | 100    | 0010 |       | 00.  | 0100 | 0     | 100.0     | 100                        | 2      | 0     | 100  | 010  | 000  | 00   | 010  | 000   | 001 | -    | 00   | 01    |
| 0008<br>AI A  | 78.7 | 7100.0017   | 100    | 000    | 000  | 000   | 000  | 0010 | 00    | 1000      | 000                        | 0100   | 000   | 100  | 010  | 000  | 100  |      | 00.00 | 000 | 99   | 000  | 00    |
|               |      |             | 01     | 100    | 010  | 0     | 00   | 0010 | 0     | 000       | 100                        |        |       |      | 0100 | 0.0  |      | -    |       |     | 0    | 00   | 0     |
| 7000          |      | 1100.0      | 100.0  | 100    | 0010 | 0     | 100  | 0010 |       | •         | 100                        | -      | 0     |      | 0100 | 0    |      | -    | 0000  | -   | .01  | 00   | 0     |
| 3300          | 7.00 | 100.0       | 100.0  | 000    | 0100 | 00    | 000  | 0010 |       | 0100.0    | 0100                       | 0100   | 0.0   | 100  | 0100 | 0:   | 100, | 010  | 000   | 100 | 00   | 000  | 00    |
|               |      | 7100-010    | 2      | 100    | 0100 | 0     | 00   | 010  |       |           | 100                        |        |       | 100  | 010  | 0    | 100  | -    |       | 100 | 6    | 00   | 0     |
| 7 2000        | •    | .7100.0     | 100.0  | 100    | 0010 |       | •    | 0010 | 0     | 100.0     | 100                        | -      |       | -    | 0100 | 0.0  | 100  | .010 | 0.00  | -4  | 10.  | 00   | 0     |
| 1800          | 78.7 | 7100.010    | 100.0  | 100    | 010  | 00.00 | 000  | 0100 | 001   | 00.00     | 100.                       | 0100   | 0.0   | 100  | 0100 | 000  | 100  | 010  | 00.00 | 100 | 0.0  | 000  | 00    |
| 1             | 78.7 | 100.0       | 100.0  | 100    | 010  | 0000  | 00   | 0100 | 0     | 000       | 0010                       | 2      | 0     | 100  | 0010 | 0    | 100  | -    | 000   | 100 | 0    | 00   | 10    |
| 1             | 18.7 | 3.7100.0100 | 100.0  | 100    | 010  | 0000  | 000  | 0010 | 0     | 000       | 0010                       | 010    | 00    | 00   | 0010 | 0 0  | 100  | 010  | 0000  | 000 | 00   | 000  | 00    |
| 88            | 78.7 | 100.001     | 100.0  | 100    | 010  | 0000  | 00   | 0010 | 0     | 00        | 100                        | -      | 0     | 100  | 0100 | 0.0  | 100  | 6    | 000   | 100 | 3    | 00   | 0     |
| 8 8           | 78.7 | 7100.010    | 100.00 | 100    | 010  | 00.00 | 00.  | 0100 | 0.    | 000       | 100                        | 010    | 000   | 100  | 0100 | 0000 | 100  | 010  | 0.0   | 001 | 00   | 000  | 00    |
| 1             | 78.7 | 1000        |        | 100    | 010  | 0000  | 00   | 0010 | 50    | 000       | 1000                       | -      | 00    | 001  | 010  | 0.0  | 100  | 010  | 0.0   | 100 | 0    | 00   | 10    |
|               | 7.87 | 0000        | 100.00 | 000    | 0010 | 000   | 100  | 0010 | 500   | 100       | 000                        | 000    | 000   | 200  |      | 000  | 000  | 000  | 0000  | 000 | 000  | 900  | 200   |
|               | 78.7 | 7100.010    | nn     | 0100.0 |      | 0     | 00   | 0010 | 000   | 00.00     | 100                        | 0100   | 00    | 000  | 0100 | 0.0  | 100  | -    | 0000  | 100 | 00   | 000  | 100   |

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

AUG MONTH 05

200

| щ                                  |                           |
|------------------------------------|---------------------------|
| CCURRENC                           | TIONS)                    |
| ACY OF C                           | (FROM HOURLY OBSERVATION: |
| FREQUE                             | HOURLY                    |
| PERCENTAGE FREQUENCY OF OCCURRENCE | (FROM                     |

73-77

| CEITING        |      |         |         |           |          |         | VISI    | VISIBILITY (STATUTE MILES) | ATUTE MIL | ES)    |         |        |         |        |         |     |     |
|----------------|------|---------|---------|-----------|----------|---------|---------|----------------------------|-----------|--------|---------|--------|---------|--------|---------|-----|-----|
| (FEET)         | 2    | ۰<br>۸۱ | \$°     | <b>AI</b> | es<br>Al | Y 2%    | AI      | ٧١<br>۶                    | ¥1 ¥      | Ä      | X<br>Al | AI *   | VI<br>Z | Al     | 5/16    | 2   | AI  |
| NO CEILING     | 72.9 | 92.9    | 6.26    | 65.6      | 65.6     | 92.9    | 6.26    | 92.9                       | 92.9      | 92.9   | 1.      | .26 6  | .26 6   | -      | 6       | h   | 92. |
| > 20000        | 76.1 | 96.1    | 1.96    | 1.96      | 1.96     | 96.1    | 1.96    | 96.1                       | 96.1      | 96.1   | 96      | 1 96   | 1 96.   | 1 96   | .1 96.  | _   | 96  |
| V 18000        | 76.1 |         | 1.96    | 96.1      | 96.1     | 1.96    | 1.96    | 96.1                       | 96.1      | 96.1   | 96      | 96 1   | _       | 1 96   | 7       | _   | 96  |
| 1600           | 76.1 |         | 96.1    | 96.1      | 1.96     | 96.1    | 96.1    | 96.1                       | 96.1      | 96.1   | 96      | 1 96   | 1 96.   | -      | -       | -   | 96  |
| > 14000        | 76.8 | 96.     | 96.8    | 96.8      | 90.8     | 96.8    | 96.8    | 96.8                       | 96.8      | 96.8   | 96      | 96 9   | -       | -      | -       | -   | 96  |
| × 12000        | 76.8 |         | 96.8    | 96.3      | 8.96     | 96.8    | 96.8    | 8.96                       | 96.8      | 96.8   | 96      | 3 96 8 | 8 96.   | 8 96.8 | •       | m   | 96  |
|                | 17.4 |         | 1.86    | 98.1      | 1.86     | 1.86    | 1.86    | 98.1                       | 98.1      | 98.1   | 98      | 86     | -       | -      | _       | -   | .86 |
| 000            | 77.4 |         | 98.1    | 98.1      | 1.86     | 98.1    | 98.1    | 98.1                       | 98.1      | 98.1   | 98.     | 1 98.  | 1 98.   | 1 98   | 7.      | -   | 98. |
|                |      | 7.86    | 4.66    | 4.66      | 4.66     | 7.56    | 4.66    | 4.66                       | 4.66      | 4.66   | .66     | 66 5   | 66 9    | 66 4   | *       | 4   | .66 |
| 700            | 78.1 | 98.7    | 4.66    | 4.66      | 4.66     | 4.66    | 30.66   | 4.66                       | 4.66      | 4.66   | 66      | 66 4   | 4 99.   | 66 5   | 66 4.   | 4   | 66  |
|                | 78.1 | 98.1    | 4.66    | \$ 66     | 4.66     | 7.66    | 4.66    | 4.66                       | 4.66      | 4.66   | 66      | 66 5   | 66 5    | 66 5   | 4.      | *   | 66  |
| 900            | 78.1 | 98.7    | 4.66    | 4.66      | 4.66     | 4.66    | 4.66    | 4.66                       | 4.66      | 4.66   | 66      | 66 4   | 66 9    | 4 99   | 66 5.   | 4   | 66  |
| 1              | 78.1 | 98.7    | 4.66    | 4.66      | 4.66     | 4.66    | 4.66    | 4.66                       | 4.66      | 4.66   | 66      | 66 5   | 4 99.   | 66 4   | 66 50   | 4   | .66 |
| 1 41           | 78.1 | 18.7    | 4.66    | 4.66      | 4.66     | 4.66    | 4.66    | 4.66                       | 4.66      | 4.66   | .66     | 66 +   | 4 99.   | 66 4   | . 46 66 | *   | 66  |
| 1              | 78.1 | 98.7    | 4.66    | 4.66      | 5.66     | 4.66    | 4.66    | 7.66                       | 4.66      | 4.66   | 66      | 66 5   | 4 99.   | 66 5   | 66 4.   | 3   | 66  |
| 3000           | 78.7 |         | 100001  | 00.00     | 100.001  | 00.01   | 00.00   | 100.00                     | 0000      | 00001  | 100     | 0100   |         | 0100   | 6       | -   | 00  |
| 1              | 16.7 | 30.66   | 4100.01 | 00.00     | 100.01   | 00.01   | 00.00   | 0.00                       | 100.0     | 0.001  | 001     | 0100   | 0010    | 0100   | 00100   | 0   | 00  |
| 2000           | 76.7 | •       | 0.0     | 100.001   | 100.001  | 10000   | 100.00  | 100.00                     | 100.0     | 1000   | 100     | 1000   | 0010    | 0100   | 0       | 9   | 00  |
|                | 18.7 |         | 4100.01 | 10.00     | 100.001  | 00.01   | 00.00   | 00.00                      | 0.001     | 0.001  | 100     | 1001   | 0100    | 0100   | 00100   | 0   | 00  |
| ≥ 1500         | 78.7 |         | 4100.01 | 00.01     | 100.001  | 000     | 100001  | 100.00                     | 100.00    | 1000   | 100     | 1000   | •       | 0100   | 0       | 6   | 00  |
|                |      | •       | 100.001 | 10.00     | 00.00    | 0       | 100.001 | 00.00                      | 0.001     | 0      | 100.    | 0100   | -       | -      | 0       | 0   | 00  |
| N 1000         | 78.7 | 90.4    |         | 0         | 100.001  | 00.00   | 100001  | 100.00                     | 00.00     | 100.0  | 0100.   | 1000   | 0010    | 0100   | 0       | 60  | 00  |
| 006 AI         |      | *       | 100001  | 0         | 0000     | 0.      | 00.00   |                            | 0.001     | 0.     | 100     | 0010   | -       | -      | 10.     | 9   | 00  |
|                | 1001 | •       | 0.0     | 0         | 100.01   | 00.00   | 100.001 | 100.00                     | 00.00     | 100.0  | 0100    | 1000   | 0010    | 0100   | 0       | 9   | 00  |
|                |      | •       | 0.      | 0         | 100.001  | 0       | 100.001 | 00.00                      | 00.00     | 0000   | 100     | 100    | 0010    | 0100   | 00100   | 0   | 00  |
| > 480          | 78.7 | •       | 4100.01 | 00.00     | 100.001  | 00.01   | 100.001 | 100.00                     | 100.00    | 0000   | 100     | •-     | 0010    | 0100   | 0       | 9   | 00  |
|                |      |         | 0.0     | 100.001   | 100.001  | 00.00   | 10.001  | 00.00                      | 0.00      | 0000   | 100     | 1000   | 0010    | 0100   | .0100   | 0   | 00  |
| 2 400          | 78.7 |         | 500     | 00.01     | 100.001  | 00.01   | 100.001 | 100.00                     | 100.00    | 10000  | 100     | 1000   | 0010    | 0100   | 0       | 6   | 00  |
| 2 300<br>2 300 | 18.7 |         | 4100.01 | 0.        | 0        | 0       | 100001  | 00.00                      | 0.00      | 0000   | 100     | 100    | 0010    | 0100   | 0       | 6   | 00  |
|                | 10.  | 4066    | 0.0     | 0         | 100.01   | 00.00   | 100001  | 100.00                     | 0.001     | 1000   | 100     | 100    | C100.   | 0100   | 0       | 8   | 00  |
| 8              | 78.7 | 9.66    | 100.01  | 0.        | 0.       | 0.0     | 0.00    | 0000                       | 0.001     | 0.001  | 100.    | 1000   | 0010    | 0010   | 0       | 0   | 000 |
|                |      | :       | •       | 0100.00   | 10000    | 100.001 | 100.001 | 00.00                      | 100.001   | 100,00 | 1001    | 001    | 0000    | 010    | 0010    | 100 | Š   |

0 0 0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

23195

AUG MONTH OB HOURS (1.5.7.)

| <u> </u>                           |                            |
|------------------------------------|----------------------------|
| PERCENTAGE FREQUENCY OF OCCURRENCE | (FROM HOURLY OBSERVATIONS) |

|                            | 1       | 100        | 7 6  | 2     | 1   | 1    | 0   | 0   | 0   | 0    | 0   | 0    | 0   | Ó    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 00    |
|----------------------------|---------|------------|------|-------|-----|------|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
|                            | O<br>Al | 06         | . 76 | ;;    | 96  | 98.  | 00  | 00  | 00  | 00   | 00  | 00   | 0   |      | 0   |      | 0   | 0    | 0   |      | 0   | 0   | 0   | 0   | 0   | 0   | 00  |     | 000 | 5   | 50    |
| -                          |         | 00         |      | 0     | 6   | 0    | 0   | -   | 01  | 2    | 01  | 10   | 100 | 100  | 100 | 100  | 100 | 100  | 100 | 100  | 100 | 100 | 100 | 200 | 100 | 901 | 01  | 100 | 2   | 2   | 22    |
|                            | 7       |            |      |       |     | -    | 0   | 0   | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 00    |
|                            | AI      | 000        | 20   | 96    | 96  | 86   | 00  | 8   | 00  | 8    | 00  | 8    | 00  | 00   | 00  | 8    | 00  | 00   | 00  | 00   | 00  | 8   | 00  | 8   | 00  | 8   | 00  | 8   | 00  | 3   | 200   |
|                            |         |            |      |       |     | -    | F   | ž   | ĕ   | Ž    | 0   | 0    | 10  | ~    | ĕ   | -    | -   | -    | ĕ   | -    | -   | 7   |     | ö   | -   | 7   | 6   | 츳   | Ĕ:  | 3   | 33    |
|                            | 5/16    | •          |      |       |     |      |     |     |     |      |     |      |     | 0    |     | 0    | 0   | 0    |     | 0    | 0.  | •   |     | •   | 00  |     |     | •   | •   | •   | •     |
|                            | AI      | 90         | 7,   | 94    | 98  | 98   | 00  | 8   | 00  | 8    | 00  | 8    | 00  | 8    | 00  | 8    | 00  | 00   | 00  | 8    | 00  | 8   | 00  | 8   | 00  | 8   | 8   | 8   | 00  | 3   | 38    |
|                            |         | 20         | 70   | 2     | -   | -    | 10  | 6   | 6   | 5    | 6   | 5    | 10  | 5    | 6   | 6    | 10  | 6    | 6   | 6    | 5   | 5   | 6   | 5   | 6   | 5   | 6   | 5   | 6   | 5   | 50    |
|                            | 7       | 6          | 3    | ;;    | 0   | .86  | 6   | 00  | 00  | 00   | 00  | 00   | 0   |      | 0   | 00   | 6   | 00   | 0   | 00   |     | 00  | 6   | 00  | 6   | 0   | 6   | 00  | 0   | 3   | 50    |
|                            |         | 00         | •    | 0     | 0   | 0    | 2   | 2   | 0   | 20   | 20  | 2    | 100 | 100  | 100 | 10   | 100 | 2    | 100 | 9    | 200 | -   | 20  | 9   | 10  | 200 | 100 | 2   | 0   | 2.5 | 00    |
|                            | *       |            |      | . ~   | -   | . 1  | 0   | 0   | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0.  | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0.  | 0   | 00    |
|                            | AI      | 06         | 2 6  | 94    | 96  | 86   | 00  | 8   | 8   | 8    | 00  | 8    | 8   | 8    | 00  | 100  | 8   | 100  | 00  | 8    | 00  | 8   | 00  | 8   | 00  | 100 | 00  | 8   | 88  | 3   | 88    |
|                            |         | 0 0        |      | . ~   |     | ~    | 6   | 7   | 5   | 70   | 6   | 등    | E   | 7    | E   | 픙    | E   | 름    | =   | 7    | 3   | 증   | 5   | 3   | E   | 킁   | E   | 증   | =   | -   | 33    |
|                            | *       |            | 3    |       |     |      | -   |     | -   | -    | -   | :    | -   |      | :   | :    | :   | -    | :   |      | :   | ٠   | :   | :   | E   | :   | :   | :   | •   |     |       |
|                            | AI      | 6          |      | . 6   | 96  | 86   | 00  | 001 | 001 | 100  | 001 | 001  | 00  | 100  | 00  | 100  | 00  | 001  | 001 | 100  | 100 | 100 | 100 | 100 | 00  | 100 | 001 | 100 | 001 | 0   | 000   |
|                            |         | 20 0       | 0    | 10    | -   | -    | 0   | 0   | 0   | 0    | 0   | 6    | 6   | 6    | 6   | 0    | 6   | 6    | 0   | 2    | 6   | 6   | 6   | 6   | 6   | 3   | 6   | 6   | 0   | 5   | 56    |
|                            | Ā       | 06         |      | 4     | 0   | 8    | 00  | 00  | 00  | 0    | o   | 00   | 0   | 00   | 00  | 00   | 00  | 0    | 00  | 00   | 00  | 00  | o   | 00  | 00  | 00  | 00  | 0   | 00  | 0   | 00    |
| LES)                       |         | 20         |      | . 2   | 6   | 2    | -   | -   | -   | 2    | 100 | -    | 100 | 2    | 20  | 10   | 01  | 0010 | 01  | -    | -   | 2   | 01  | -   | 0   | 2   | 2   | 10  | 01  | 2   | 100   |
| VISIBILITY (STATUTE MILES) | 7.1     |            | 3    |       |     |      | 0   |     | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0.  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 00    |
| TO                         | Ā       | 06         | 20   | 200   | 96  | 96   | 00  | 00  | 00  | 00   | 00  | 00   | 00  | 00   | 00  | 00   | 00  | 00   | 00  | 00   | 00  | 00  | 00  | 00  | 00  | 8   | 00  | 00  | 00  | 2   | 90    |
| STAI                       | -       | 000        | 2 0  |       |     | 1    | 0   | 8   | 0   | 3    | 3   | 10   | 0   | 0    | 0   | 0    | 5   | 0    | 10  | -    | 5   | 70  | 0   | 0   | 5   | 금   | 5   | 7   | 6   | 3   | 35    |
| <u>}</u>                   | 7.      | 6          |      |       | 0   | 8    |     |     |     |      |     |      |     |      | -   |      |     |      |     | 0.0  | -   | -   |     |     | -   | :   | -   | -   | •   | :   | •     |
| 1                          | AI      | 000        |      |       | 6   | 0    | 001 | 100 | 001 | 001  | 100 | 001  | 100 | 8    | 100 | 001  | 00  | 0100 | 100 | 100  | 100 | 100 | 100 | 001 | 001 | 001 | 00  | 001 | õ   | ě   | 88    |
| VISI                       |         | 000        | 90   |       | 3 - | 1    | O   | 0   | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | Ö   | 0   | 0   | 3   | 0   | 0   | 0   | 5   | 00    |
|                            | AI      | 0          | 7    | N 4   | 9   |      | 0   | 0   | 00  | 00   | 001 | 00   | 00  | .00  | 00  | 100  | 00  | 0    | .00 | 00   | 100 | 00  | 0   | 100 | 0   | 0   | 00  | 0   | 00  | 001 | 00    |
|                            |         | 00         |      | . 0.  | -   | 6    | 10  | 5   | ä   | ~    | ä   | 2    | 2   | -    | 2   | 2    | 2   | 100  | 2   | 2    | 2   | 2   | 10  | =   | 01  | 01  | 2   | 01  | 0   | -   | 0001  |
|                            | 21/2    |            | -    | . ~   |     | -    | 0   |     |     | 0    | •   | 0    |     |      |     |      |     | •    |     | •    | •   | 0   |     |     |     |     | •   | •   |     | •   | •     |
|                            | AI      | 600        | 5    | 200   | 96  | 98   | 00  | 00  | 00  | 8    | 00  | 00   | 00  | 60   | 00  | 00   | 00  | S    | 00  | 8    | 00  | S   | 00  | 5   | 00  | 8   | 00  | 8   | 60  |     | 38    |
|                            |         | - 4        | 5    | 0     | 5   | -    | -   | 4   | 4   | 4    | -   | 4    | 1 3 | 7    | 7   | 4    | 19  | 7    | 4   | 7    | 7   | 47  | -   | 7   | 4   | 7   | 7   | 7   |     | -   | 17    |
|                            | M<br>Al | 6          | -    | 30    | 2   |      | 6   | 6   | 6   | 6    | 6   | 6    | 6   | .66  | 6   | .66  | 6   |      | 6   | 6    | 6   | 6   | 6   |     | 6   |     |     | 6   | 60  |     | 99.   |
|                            | ۸,      | 000        | . 0  | . 0   | 6   | 0    | 6   | 0   | 6   | 0    | 0   | 0    | 6   | 0    | 0   | 0    | 6   | 0    | 6   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0 0 | -   | 10    |
|                            |         |            |      | 9     | .5  | -    |     | 4.  | 4.  | 3.   | 3.  | *    | 4.  | 4.   | *   | 4.   | 4.  | 4.   | *   | 4    | *   | 4.  |     | 4.  |     | 4.  | 4.  | *   | *   |     | . 3   |
|                            | Al      | 69         | 100  | 3 4   | 68  | 86   | 66  | 66  | 56  | 66   | 66  | 66   | 66  | 66   | 56  | 66   | 66  | 66   | 66  | 66   | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 60  | 1   | 64    |
|                            |         | - 4        | 5 4  | 10    | -   | -    |     | 3   | 3   | *    |     | 3    | 3   |      |     | 3    |     | •    |     | •    |     |     |     | 3   |     | 3   | 3   | *   |     | 5   | + +   |
|                            | 89      |            | •    |       |     |      | :   |     |     |      |     | :    |     | :    |     | :    |     | :    | :   |      | :   | :   | :   | :   |     |     |     |     |     | •   | ::    |
|                            | AI      | 10 C       | 0    | . 0   | 0   | 6    | 0   | 0   | 6   | ć    | 0   | 6    | 6   | 6    | 6   | 6    | 6   | 6    | 6   | 0    | 6   | 6   | 6   | 6   | -   | 6   | 6   | 6   | 0 0 |     | 99    |
|                            |         |            | 0    | 7 0   | -   | -    |     | 4   | 3   | *    |     | *    | 3   | 4    | *   | 4    |     | 4    | 3   | 4    | 3   | 4   | 3   | 3   | 3   | 3   |     | 4   | 3 4 | 3   |       |
|                            | AI      | 0:         | -    | VM    | 5   | 80   | 6   | 6   | 0   | 0    | 0   |      | 6   | ě.   | 0   | 6    | 6   | •    | 6   | 6    | 0   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 0 9 |     | 99    |
|                            |         |            |      |       | 1   |      | 4   |     |     |      | 1   |      |     |      | 1   |      | 1   |      |     |      |     |     |     |     | 1   |     |     |     |     | _1  |       |
|                            | 2       |            |      |       |     | 7    |     | 4   | 4.  | 3.   | 3.  | 3.   |     | *    | 3.  | 4    | *   | *    |     | 3.   | *   | 4.  |     | 4.  | 3.  | 4.  |     | 4.  |     |     |       |
|                            | Ā       | 80         | . 0  | 98    | 95  | 98   | 66  | 66  | 66  | 66   | 66  | 66   | 66  | 66   | 66  | 66   | 66  | 66   | 66  | 66   | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66  | . 0 | 99.   |
|                            |         | +-         | +    |       | +   |      | -   |     | -   |      | -   | _    | -   |      | -   | _    | -   |      | -   |      | -   | _   | -   | _   | -   |     | -   |     | -   | +   |       |
| ç                          | -       | NO CEILING | 3    | 88    | 1   | 38   | 8   | 8   | 8   | 2000 | 8   | 2000 | 8   | 1000 | 8   | 3000 | 8   | 2000 | 8   | 1500 | 8   | 900 | 8   | 800 | 8   | 9   | 8   | 9   | 8   | 8   | 80    |
| CEILING                    | FEE     | O CEILING  | \$   | 18000 |     | 1208 |     | 8   |     |      |     |      | 1   |      |     |      |     |      |     |      |     |     |     |     |     |     |     |     |     |     |       |
| 0                          |         | 2          | "    | AI AI | ^   | I AI | ^   | IAI | ^   | 1 11 | ^   | IAI  | ^   | IAI  | ^   | 1 11 | ^   | IAI  | A   | IAI  | ^   | IAI | ^   | IAI | ^   | IAI | ^   | IAI | AI. | ٨١  | AI AI |
|                            |         | -          | _    |       | _   | -    | _   | -   | -   |      | -   | _    | _   | -    | _   | -    | -   | _    | _   |      | _   |     | -   |     | -   | -   | -   |     |     | _   |       |

TOTAL NUMBER OF OBSERVATIONS

155

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DIRNAVOCEANMET SMOS

188

### CEILING VERSUS VISIBILITY JAN 78

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11 HOURS (LST) AUG

2

| 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0         | VISIBILITY (STATUTE MILES) | 4 193 192% 192 191% 1918 1936 1937 16 19 10 19 10 | 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19 | . 6 42.3 42.3 42.3 92.3 92.3 92.3 92.3 42.3 92.3 92.3 9 | •      | 2.9 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93 | 5.8 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4 | .1 98.7 98.7 9 |        | .7 99.4 99.4 9 | 307 9904 9904 9904 9904 9904 9904 9904 99 | .7 99.4 99.4 99.4 99.4 99.4 | 3.7 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99 | 3.7 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99 | 7.66 4.66 4.66 4.66 4.66 4.66 4.66 4.66 | ** 66 1. | 4.89 4.89 4.89 4.89 4.89 4.89 4.89 4.89 | .7 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99 | 7.66 7.66 4.66 4.66 4.66 7.66 4.66 4.66 | . 4100.0100.0100.0100.0100.0100.0100.010 | .0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.010 | 0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.01 | .0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.01 | 0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.01 | 0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.01 | .0100.0100.0100.0100.0100.0100.0100. | ? • •   100 • 01100 • 01100 • 01100 • 01100 • 01100 • 01100 • 01100 • 01100 • 01100 • 01100 • 01100 • 01100 • 0 | .0100.010.0100.0100.0100.0100.010. | ? • • 1:00 • 0 | .4100.0100.0100.0100.0100.0100.0100.010 | 10.0010.0010.0100.0100.010.0010.0010.0010.0010.0010.0010.00 | 0.0100.0100.0100.0 | * 4100 0100 0100 0100 0100 0100 0100 010 |
|---|----------------------------|---|---|---|--------|---|---|----------------|--------|----------------|---|-----------------------------|---|---|---|----------|---|--|---|--|--|---|---|---|---|--------------------------------------|---|------------------------------------|--|---|---|--------------------|--|
| 26 25 2 4 23 2 2 4 2 3 4 2 4 4 4 4 4 4 4 4 4    |                            | ^1  | 16 0 1                                  | 26 6.2  | 26 6.2 | 3.6 93                                    | 7.4 97                                      | 8.7 98         | 66 9.6 | 4              | 4.  | 6                           | 66 9.6                                    | 6 4.                                      | *                                       | 6 4.     |   | 4  | *                                       | 0  | 10.0   | 0.010   |   | 0.000   | 01000   | 0.010                                | 10.0  | 0.010                              | 0  | 0                                       | 00100   | 001000             | 0.                                       |
| 26 25 24 23 22% 22% 22% 22% 22% 22% 22% 22% 22% | TUTE MILES)                | 7.1   | 0.1                                     | 6.3   | 6 6.26 | 93.6 9                                    | 97.4 9                                      | 98.7           | 6 7.66 | 6 4.6          | 6 4.                                      | .40                         | 6 5.66                                    | 6 4.                                      | 6 4.                                    | .40      | 6 4.                                    | .40                                      | 6 4.                                    | .010                                     | .010   | 0.010   | 0.01  | 0.010   | 0.000   | 0.010                                | 0.010   | 0.010                              | 0.01   | 100                                     | 10.0  | 10.0               | 0  |
| 26 25 24 23 22% 22% 22% 22% 22% 22% 22% 22% 22% | IBILITY (STA               |   | 91.0                                    | 6.26  | 6.26   | 93.6                                      | 97.4  | 98.7           | 7.66   | 3.             | *   | 3.                          | 7.66                                      | 4.  | 4.66                                    | 4.       | 3.                                      | 4.6                                      | 4.66                                    | 10.0                                     | 10.  | 100.001   | 100.001   | 0.0   | 0.  | 6                                    | 10.0  | 6                                  | 100.001  | 0.0                                     | 100.001   | 100.001            | 100.001                                  |
| 2   | VIS                        |   | 91.0                                    | •   | •      | 93.                                       | 4.66  | 7.86           |        |                | 5.66                                      |                             | 39.4                                      | 6   |   | 6        |   |  | 7.66                                    | 0.0010                                   | 0.001  | 10000   | 10000   | 10000   | 10000   | 10000                                | 10000   | 10000                              | 10000  | 10000                                   | 10000   | 0.001              | 100.0                                    |
| 2   |                            |   | _                                       | 3 72.   | 72.    | 6 93,6                                    | 4 97.4                                      | 7 98,7         | 4 99.4 | 4 99.4         | 4 99.4                                    | 4.66 4                      | 7.66 4                                    | 4.66 4                                    | 7 66 9                                  | 4 99.4   | 7 66 4                                  | 4 99.4                                   | 7 66 9                                  | 0100.0                                   | -  | 0100.0  | 0100.0  | -   | _   | 0100.0                               | 0100.0  | 0100.0                             | 0100.0   | 0100.0                                  | 0010  | 0100               | 0100                                     |
| 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0         |                            | The second second                                 | 91.                                     |   | 3 92.  | 6 63                                      | 8 97.                                       | 1 98.          | 4 99.  | 7 99.          | . 66                                      | 7 99.                       | 1 99.                                     | 7 99.                                     | 1 99.                                   | 7 99.    | . 66                                    | 7 99.                                    | . 66                                    | 4100                                     |  | 4100.   | 4100.   |   |   | 4100                                 | *100  |                                    | 4100   | 4100                                    | 4100  | *100               | .001                                     |
|   |                            |   | € 6                                     | 00 91   | .3 92. | .9 92.                                    | .8 96                                       | .1 98.         | .7 98. | .7 98          | 1 98                                      | .7 98.                      | . 1 98                                    | .7 98.                                    | . 1 98.                                 | .7 98.   | .7 98.                                  | .7 98.                                   | .7 98                                   | 66 4                                     | 66 4   | .4 99   | 26 4  | 66 4  | - 4   | 66 4                                 | 66 4  | 66 4.                              | 66 5   | 66 4.                                   | 66 60   | 66 50              | 66 %                                     |
|   |                            | Al  |   | •   |        |   |   |                |        |                |   | 6 F.                        |   | 6   |   |          |   |  | 6 4.                                    | 0 4.                                     |  |   |   | •   |   |                                      |   |                                    |  |   |   |                    |  |
|   |                            |   | m .                                     | 0   | *      | 5   | 80  | 7              |        |                |   |                             | -   | .7 98                                     |   |          |   |  |   | 3  |  |   | 3.  | 3   | *   | 4                                    | 3   | *                                  | 3  | 4                                       | 3   | 3                  | 3 .                                      |
|   | CEILING                    | =   | CEILING                                 | 2000  | 8      | 16000                                     | 18  | 12000          | 1      | 8              | 8   | 8                           | 8   | 200                                       | 9                                       | 8        | 8                                       | 3000                                     | 8                                       | 2000                                     | 8  | 1500  | 8   | 8   | 8   | 8                                    | 8   | 8                                  | 8  | 8                                       | 8   | 8                  | 8  |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23195

YUMAS ARIZONA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14 AUG

| CEILING    |       |            |         |        |                 |        | VIS      | IBILITY (S | VISIBILITY (STATUTE MILES) | (S31)  |       |        |        |        |         |       |
|------------|-------|------------|---------|--------|-----------------|--------|----------|------------|----------------------------|--------|-------|--------|--------|--------|---------|-------|
| (766)      | 2     | AI         | 2       | 4      | 21              | ≥ 2%   | 2 41     | ¥1 ¥1      | VI<br>7.                   | Ā      | AI N  | *      | AI Z   | 2 5/16 | AI 29   | ٥     |
| NO CEILING | 94.8  | 95.5       | 5.20    | 95.5   | 95.5            | 95.5   | 95.5     | 95.5       | 95.                        | 5 95.  | 95.   | 950    | 95.3   | 95     | 5 95.5  | 95.5  |
| ≥ 20000    | 9006  | 97.4       | 97.4    | 97.4   | 97.4            | 97.4   |          | 97.4       | 97.4                       | 97.4   | 97.   | 4 97.4 | 97.4   | 97.    | 4 97.4  | 97.4  |
|            | 96.8  | 97.4       | 4.26    | 97.4   | 97.4            | 97.4   | 97.4     | 97.4       | 97.4                       | 97.4   | 97.   | 1 97.6 | 97.4   | 97.    | 4 97.4  | 4.16  |
| 1 16000    | 98.1  | 98.7       | 98.7    | 98.7   | 98.7            | 98.7   | 7.86     | 98.7       | .86                        | 1 98.7 | . 86  | 1 98.7 | 98.7   | 98.    | 7 98.7  | 98.7  |
|            | 1.86  | 98.7       | 1.86    | 98.7   | 1.86            | 98.    | 98.7     | 98.7       | .86                        | 1 98.7 | .86   | 186    | 98.7   | 98     | 7 98.7  | 98.7  |
| 12000      | 1.86  | 28.7       | 49.7    | 98.7   | 2.86            | 98.7   | 98.7     | 98.7       | 98.                        | 1 98.7 | . 86  | 1 98.1 | 98.7   | .86    | 7 98.7  | 98.7  |
|            | 96.1  | 98.7       | 1086    | 98.7   | 98.7            | 98.7   | 98.7     | 98.7       | 98.                        | 98.    | 98.   | 98.    | 98.    | 98     | 7 98.7  | 98.7  |
| 0006       |       | 1 98.7 98. | 98.7    | 98.7   | 98.7            | 98.7   | 98.7     | 98.7       | 98.                        | 1 98.7 | . 96  | 1 98.7 | 98.7   | 98.    | 7 98.7  | 98.7  |
|            |       | 98.7       | 786     | 98.7   | 98.7            | 98.7   | 98.7     | 98.7       | 98.                        | 1 98.1 | . 86  | 1 98.  | 98.7   | 98     | 7 98.7  | 98.7  |
| 7000       |       | 98.7       | 98.7    | 98.7   | 7.86            | 98.7   | 98.7     | 98.7       | 98                         | 98.7   | . 86  | 7 98.7 | 98.7   | 98     | 7 98.7  | 98.7  |
| 1          | _     | 4.66       | 4.66    | 40.66  | 4.66            | 99.4   | **66     | 99.4       | 66                         | 966    | . 66  | 1 99 . | 99.4   | 66     | 4 99 04 | 4.66  |
| 900        |       | 4.66       | 4.66    | 99.4   | 4.66            | 40.66  | 4.66     | 4.66       | 99.                        | 4.66   | 66    | . 66   | 99.4   | 66     | 4 99.4  | 99.4  |
| 1          |       | 10000      | 0.001   | 0000   | 100.0           | 0.001  | 100.0    | 100.0      | 100.0                      | 0.0010 | 100   | 100.0  | 0.0010 | 100    | 0100.0  | 100.0 |
| 141        | _     | 100.00     | 100.001 | 0000   | 100.001         | 100.0  | 10000    | 100.0      | 0100                       | 10000  | 100.0 | 0,0010 | 100.0  | 100    | 0100.0  | 100.0 |
| 1          | _     | 100.001    | 0000    | 00001  | 100.0           | 100.0  | 100.0    | 100.0      | 0100                       | 0.0010 | 100   | 100    | 0.0010 | 100    | 0.0010  | 100.0 |
| 300        |       | 100.001    | 0       | 100.00 | 100             | 0100.0 | 100.001  | 100        | 0100                       | 10000  | 100   | 0100.0 | 0,0010 | 100    | 0100.0  | 100.0 |
|            |       | 100.001    | 0000    | 0.00   | 0000            | 0.001  | 100.0    | 100.0      | 0100                       | 10000  | 0100  |        | 100    | -      | 0100.0  | 100.0 |
| 7 2000     | _     | 100.00     | 10000   | 0      | 0.00            | 100.0  | 100.0    | 100.0      | 100.0                      | 10000  | 100   | 0100.0 | -      | -      | 0100.0  | 100.0 |
|            |       | 100.00     | 0.001   |        | 100.0           | 0.001  | 100.0    | 100.0      | 100                        | 10000  | -     |        | 100.0  |        | 0100.0  | 100.0 |
| 005        | _     | 100.0      | 10000   |        | 0100.0          | 100.0  | 100.0    | 100.0      | 100                        | 10000  | -     | 0100.0 | 10000  |        |         | 100.0 |
| 1          |       | 100.01     | 0.001   | 0000   | 100.0           | 100.0  | 100.0    | 100.0      | 100                        | 100.0  | -     | 0010   | 100.0  |        | 0.0010  | 100.0 |
| 90         | -     | 100.001    | .0100.0 | 100001 | 000             | 100.0  | 100.001  | 100.0      | 1000                       | 200.0  | 100   | 1000   | 1000   | 100.   | 0,0000  | 100.0 |
|            |       | 100.001    | 0.001   | 0000   | 100.0           | 0000   | 100.0    | 100.0      | 100.0                      | 100.0  | 100   | 100.0  | 100.0  | 100    | 0.0010  | 100.0 |
| 8          | 3.    | 100        | 100.00  | 0000   | 100.0           | 100.0  | 100.0    | 100.0      | .00                        | 100.0  | 100   | 0100   | 100.0  | 100.   | 0100.0  | 100.0 |
|            | 4.    |            | 0100.0  | 0000   | 100.0           | 0.001  | 100.0    | 100        | 100                        | 100.0  | 100   | 1000   | 100.0  | 100    |         | 100.0 |
| 99         |       | •          | 0       | 100.0  | 100.0           | 100.0  | 100.0    | 100.0      | 100                        | 100.0  | 100   | 0100.0 | 100.0  | 100    | 0100.0  | -     |
|            | *     | 100.01     | 0.0010  | 0.001  | 100.0           | 100.0  | 100.0    | 100.0      | 100.0                      | 1000.0 | -     | 1000   | 0.001  | 100    |         | 100.0 |
| 8          | *     | •          | 0100.0  | 0      | 10000           | 100.0  | 10000    | 100.0      | 100.0                      | 100.0  | 100   | 0100   | 100.0  | 100    | 0100.0  | -     |
| 38         | •     | 100.0      |         | 0      | 0               | 0.001  | 0.001    | 100.0      | 100                        | 0.0010 | 100.  | 10010  | 0.001  | 001    | 0010    | 4     |
|            | •     | 00         |         | 0      | 0.001           | 100.0  | 100.0    | 100        | 001                        | 0001   | 000   | 00010  | 000    | 100    | 0.0010  | 1000  |
| 80         | 99.66 | 000        | 0.00    | 00.00  | 0100.0100.0100. | 0000   | 100.0100 |            | 0010                       | 00000  | 0010  | 0100   | 0.0010 | 100    | 0.0000  | 0000  |
|            | 1     | 2          |         |        |                 |        |          | 3          |                            |        |       |        |        | -      |         |       |

TOTAL NUMBER OF OBSERVATIONS

155

98.1

1.86 98.1

98.1

98.1 98.1 98.1

1.86

98.1

1.86 98.1

98.1

98.1

98.1

### CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

YUMAS ARILONA

23195

73-77

L7 HOURS (LST.)

1

AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ISIBILITY (STATUTE MILES) 4

96.8 4.66 -AI 4.16 96.8 7 7 7

٨١

× 11

2 5/16

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K N

1 2%

AI

1

4

(FEET)

4.16

4.16

4.16 90.8

97.4

97.4

41.4 98.1 98.1

96.8

96.8

4.16

96.8

900

96.1

NO CEILING

≥ 20000

97.4 97.4 4.16 96.8 97.4 97.4 97.4 98.1

4.16 4.16

4.16

98.1 98.1 98.1

1.86 98.1 98.1 98.1 98.1 98.1

1.86

1.96

98.1 98.1

98.1

4016 98.1

96.8

96.8

VI VI 00081 00081

8.96

98.1 98.1 98.1

98.1

41.6

4.16 97.4

900 900 900

1.86 1.86 98.1

97.4

98.1

98.1 98.1 98.1 98.1 4.66

98.1

1.86 98.1 98.1 98.1 98.1 98.1 98.1 98.1 4.66 98.1 98.1

1.86 98.1 4.66 4.66 1.86 4.66 1.86 1.86 4.66 4.66 4.66 4.66

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200

TOTAL NUMBER OF OBSERVATIONS

0.0010.0010.0010.0010.0010.0010.001

4.66

4.66

4.66

66

4.66

7.36

7.86

80

AI AI

88

### CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

HOURS (L S T ) MONTH

35

AUG

TOTAL NUMBER OF OBSERVATIONS

7.86

98.7 1.86

98.7

92.9 6.76

80

98.7

98.7 98.

7.86

6.26

AI AI

8 88

155

988

SOMS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

23195

73-77

23 AUG

2

|           |       |         |         | PERCE   | PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)           | FREG     | UENC<br>ILY OB | Y OF (       | OCCUR                                  | RENCE<br>3) |                                  |                      |           |             | 23      | 1     |
|-----------|-------|---------|---------|---------|---|----------|----------------|--------------|--|-------------|----------------------------------|----------------------|-----------|-------------|---------|-------|
| CEILING   |       |         |         |         |   |          | VISI           | IBILITY (ST. | VISIBILITY (STATUTE MILES)             | (53         |                                  |                      |           |             |         |       |
| (PEET)    | 2     | ۰<br>۸۱ | N AI    | AI AI   | e Al  | 2 2%     | 7              | Y1 %         | Y1 %1                                  | -<br>-      | ₩<br>Al                          | *                    | Z.        | ≥ 5/16      | AI      | O AI  |
| O CEILING |       |         |         | 94.2    | 94.2  | 34.2     | 94.2           | 2.46         | 94.2                                   | 94.2        | 2006                             | 2.96                 | 24.5      | 2006        | 94.2    | 94.2  |
|           | 74.8  |         | 95.5    | 95.5    | 95  | 95.5     | 95.5           | 95.5         | 95.5                                   | 95.5        | 95.5                             | 95.5                 | 95.5      | 95.5        | 95.5    | 95.5  |
|           |       |         |         |         | 6   | 98.5     | 95.5           | 95.5         | 95.5                                   | 95.5        | 95.5                             | 95.5                 | 95.5      | 95.5        | 95.5    | 95.5  |
| > 16000   | 74.8  | 8.46    | 95.5    | 95.5    | 6   | 95.5     | 95.5           | 95.5         | 95.5                                   | 95.5        | 95.5                             | 95.5                 | 95.5      | 95.5        | 95.5    | 95.5  |
|           | 1.91  |         | 96.8    | 96.8    | 96.8  | 9        | 96.8           | 96.8         | 8.96                                   | 96.8        | 96.8                             | 8.96                 | 8.96      | 8096        | 9096    | 8096  |
| ≥ 12000   |       |         | 97.4    | 97.4    |   | 97.4     | 97.4           | 97.4         | 97.4                                   | 97.4        | 97.4                             | 97.4                 | 97.4      | 97.4        | 4.16    | 4.16  |
| -         |       |         | 98.1    |         | 98.1  | 98.1     | 98.1           | 98.1         | 96.1                                   | 98.1        | 1.86                             | 1.86                 | 1.86      | 1.86        | 1.86    | 1.86  |
| ≥ 9000    | 78.1  | 98.1    |         |         | 98.7  | 98.7     | 98.7           |              | 18.1                                   | 98.7        | 98.7                             | 98.7                 | 18.1      | 98.7        | 1.86    | 98.7  |
|           | 78.7  |         | 4.66    | 4.66    | 4.66  | 4.66     |                | 4.66         | 4.66                                   | 4.66        | 66                               | 4.66                 | 40.66     | 4.66        | 4.66    | 40.66 |
| 700       | 78.7  | 4       | 100.0   | .0100.  | 0.0010.   | .0100.0  |                | 00.0100.0100 |  | 0.0010.     | 8                                | .0100.01             | 00.00     | 100.001     | 100.001 | 00.00 |
|           | 78.7  | 3.      | 4100.01 | 00      | 0.0010  | .0100.00 |                | 100.00       |  | 0.0010.     | 0100.0100.010                    | 00.00                | 0         | 00.00       | 100.001 | 0.00  |
| 200       | 78.7  | 4.66    |         | 00      | 0100.0010   |          | 10000          | 100.001      | 100.0100.0100.0100.0100.0100.0100.0100 | 10000       | 100.001                          | 00.00                | 0         | 0100.0010   | 0       | 0.00  |
|           | 18.   | 3       | 4100.01 | 00      | 0.0010.0010.  | 100.0    |                | 100.00       | 00.0100.0100.0100.0100.0100.0100.00    | 100.00      | 0.001                            | 00.00                | 0         | 0.0010.001  |         | 0000  |
| 141       | 78.7  | 4       | 100.0   | .0100.0 | 0.0010.   | .0100.0  | 10000          | 100.001      | 0100.0100.0100.0100                    | 10000       | .0100.0100.0100.010              | 00.00                | 0         | 0010.001    | 0       | 0.00  |
|           | 78.7  |         |         | 0100.0  | 00100.0100.0100.0100.0100.0100.0100.0100.0100.0100                      | 100.0    | 100.0          | 100.00       | 100.00                                 | 0.001       | 100.00                           | 00.01                |           | 0100 0010   | 0       | 0.001 |
| 300       | 78.7  |         | 100.0   | .0100.0 | .0100.0010.   | 100.0    | 100.001        | 100.001      | .0100.0100.0100.0100.0100.0100.0100    | 100.001     | 100.001                          | 00.00                | 00.00     | 0.0010.0010 | 00.00   | 0.00  |
|           | 18.7  |         | 100.0   | 100.0   | 100.0   | 100.0    | 100.001        | 100.001      | 100.001                                | 100.0       | 00001                            | 00.00                | 00.00     | 00.00       | 00.00   | 0.00  |
| 300       | 78.7  |         | 100.0   | 100.0   | 10000   | 100.0    | 100.001        | 100.001      | 100.001                                | 100.001     | 100.001                          | 00.00                | 00.00     | 00.00       | 00.00   | 00.00 |
| 1         | 18.1  |         | 0.0014  | 100.0   | .0100.0100.0100.0100.0100.0100.0100.01                                  | 100.0    | 10000          | 100.00       | 100.001                                | 0.001       | 00.00                            | 00.00                | 0000      | 00.00       | 00.00   | 0.00  |
| 1500      | 78.7  |         | 10000   | 100.0   | 100.0   | 100.0    | 100001         | 100.001      | 100.001                                | 10000       | 100.00                           | 00.00                | 00.00     | 00.00       | 00.00   | 0.00  |
|           | 18.1  | *       | 100.0   | 100.0   | 100.0   | 100.0    | 10000          | 100.001      | 100.00                                 | 0000        | 0000                             | 00.00                | 00.00     | 00.00       | 00.00   | 0000  |
| 1000      | 78.7  | *       | 10000   | 100.0   | 100.0   | 10000    | 100.0          | 100.001      | 100.001                                | 100.00      | 100.00                           | 00.00                | 00.01     | 00.00       | 00.00   | 00.00 |
|           | 18.7  |         | 100.0   | 0100.0  | 0100.0010   | 100.0    | 100.0          | 100.00       | 100.0100.0100.0100.0100                | 0000        | 00.00                            | .0100.010.0010.      | 00.01     | 00.00       | 0100.01 | 0.00  |
| 8         | 78.7  | *       |         | 100.0   | 00100.0100.0100.0100.0100.0100.   | 100.0    | 100001         | 100.001      | 100.001                                | 0100.0010   | 100.001                          | .0100.0100.0100.0100 | 00.00     | 00.00       | 6       | 0.00  |
|           | 18.7  | *       |         | 0100.0  | 0100.0010   | 100.0    | 100.0100.0100  | 100.0        | 100.0                                  | 0.0010      | 0010                             | 0100.01              | 0100.0010 | 00.00       |         | 0000  |
| 8         | 78.7  |         |         | 100.0   | 0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 | 100.0    | 100.001        | 100.001      | 100.001                                | 10000       | 100.001                          | 00.00                | 00.00     | 00.00       | -       | 0.001 |
|           | 1.8.7 | 3.      |         | 0100.0  | .0100.0010  | 100.0    | 100.0100       | 100.00       | 0.0010                                 | .0100.0     | 0100.0010                        | 00.01                | 10.0010   | 0100.01     |         | 0.00  |
| N 400     | 78.7  | 4.      | 100.0   | 100.0   | 0100.0100.0100.0100.0100.0100.0100.                                     | 100.0    | 100.0          | 100.001      | 100.001                                | 10000       | 0100.0100.0010                   | 00.00                | 00.00     | 0           | 0100.01 | 0.001 |
|           | 18.1  | 4.66    |         | .0100.0 | 00100.0100.0100.0100.0100.0100  | 100.0    | 10000          | 100.00       | 0.001                                  | 0000        | 0100.0100.0100.0100              | 00.00                | 00.01     | 0100.01     |         | 0000  |
| 28        | 78.7  | . 4     | 100.0   | 100.0   | 0100.0100.0100.0100.0100.0100.0100.                                     | 100.0    | 100.0          | 100.001      | 100.001                                | 100.00      | 100.00                           | 00.00                | 00.01     | 0.0010.0010 | 00.00   | 0.001 |
| 8         | 78.7  | 40.66   | 10000   | 100.0   | .0100.0100.0010.  | 100.001  | 100001         | 100.00       | .0100.0100.0100.0100                   | 0000        | 00100.00100.0010.0010.0010.0010. | 10 .00               | 00.01     | 10.00       | 10.00   | 0.00  |
|           | 78.7  | 4.      | 10000   | 100.0   | 100.0   | 100.0    | 100001         | 100.001      | 100.001                                | 10000       | 00.00                            | 00.00                | 00.00     | 00.00       | 00.00   | 000   |

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZUNA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (187) AUG

|                             |      |       |       |       |       |      | VISI | VISIBILITY (STA | (STATUTE MILES) | ES    |       |        |       |        |       |       |
|-----------------------------|------|-------|-------|-------|-------|------|------|-----------------|-----------------|-------|-------|--------|-------|--------|-------|-------|
| (FEET)                      | N N  | 9     | \$ 1  | **    | 8 1   | Y 2% | 2    | ¥1              | 7               | - AI  | N N   | * AI   | S.    | N 5/16 | × AI  | 0 11  |
| NO CEILING                  | 84.5 |       | 92.0  | 92.8  | 92.9  | 93.0 | 93.0 | 0.66            | 93.0            | 93.0  | 93.0  | 93.0   | 93.0  | 93.0   | 93.0  | 93.0  |
| 0000                        |      | 0     |       |       |       | •    |      |                 |                 |       |       | 95.2   | 3     |        |       | 95.2  |
| 0009<br>1 4000<br>0009<br>1 | 87.2 |       | 95.0  | 95.6  | 95.7  | 95.7 | 95.7 | 95.7            | 95.7            | 95.7  | 95.7  | 95.7   | 95.7  | 95.7   | 95.7  | 95.7  |
|                             |      | 96.8  | .0    | 6.96  |       |      | -    | 97.1            |                 |       |       | 10/6   |       |        | -     |       |
| > 12000                     |      | 97.5  | 1.16  | 97.7  | 1.    |      | -    |                 | 97.8            |       | -     | 97.8   | 91.8  | 97.8   |       | 97.8  |
| 1                           |      |       | 2.86  | 98.2  | 3     | 98.5 | . 8  | •               |                 |       | 8     | 98.5   |       |        |       | 98.5  |
| 0006                        | 89.7 |       | 98.3  | 98.3  | 8     |      | 8    | 98.6            |                 |       | 8     | 986    | 8     |        | •     | 98.6  |
|                             | 89.9 |       | 98.6  | 98.6  | 98.8  |      | 9    | •               |                 |       | 8     | 686    | 6.86  | 686    | 6.86  |       |
| 7000                        | 90.1 |       | 0.66  | 0.66  | 6     |      | 6    |                 |                 | 6     |       | 2066   | 6     |        |       | 99.2  |
|                             | 90.2 | 98.8  | 0.66  | 0.66  |       |      | 6    | 66.3            |                 |       |       | 666    | 66.3  | 89.3   | 66.3  |       |
| 2000                        | 4.06 |       | 66.5  | 66.3  |       | 6    | 6    |                 |                 |       |       | 99.5   |       |        | 66.6  | 99.5  |
|                             | 90.5 |       | 4.06  | 40.66 |       | 6    | 6    |                 |                 |       | 6     | 99.66  |       | 9.60   | 98.6  | 98.6  |
| 141                         | 8006 | 99.1  | 4.66  | 4.66  | 8.66  |      |      | 99.0            |                 | 6     |       | 966    |       |        |       | 99.6  |
|                             | 90.5 |       |       |       | 6     | 6    | 6    | 6               |                 |       | 6     | 29.7   |       | 1.66   |       | 49.7  |
| 3000                        | 90.7 |       | 66.66 | 60.66 | 1.66  | 6    | 9.66 |                 |                 | 6     |       | 666    | 6.66  | 666    | 6.66  | 66.66 |
|                             | 40.7 |       |       | 66.6  |       | 8.66 | 6    |                 |                 |       | 6     | 666    |       | 6.66   | 6.66  | 6066  |
| 7 2000                      | 90.7 | 4.66  |       | 99.66 | 98.66 |      | 6.66 |                 | 6.66            | 60.66 | 100.0 | 10000  | 100.0 | 100.0  | 10000 | 100.0 |
|                             | 90.7 | 4.66  |       | 90.66 |       | 0    | 6.66 | 6.66            |                 | 60.66 |       | 100.0  |       | 0      | 100.0 | 100.0 |
| 1500                        | 90.7 | 4.66  |       | 90.66 | 8.66  |      | 6    |                 | 6.66            |       | 100.0 | 10000  | 0     |        | 100.0 | 100.0 |
|                             | 90.7 | 4.66  |       | 9.66  | 8.66  |      |      |                 |                 |       | 100.0 | 10000  | 100.0 | 100.0  |       | 100.0 |
| 1000                        | 90.7 | 4.66  |       | 90.66 | •     | •    |      | 6.66            |                 |       | 0     | 10000  | 0     | •      |       | 100.0 |
|                             | 90.7 | 40.66 | 6     | 9006  | 6     |      | 6.66 |                 |                 |       | 100.0 | 100.0  | 0     | 10000  | 100.0 | 100.0 |
| 8                           | 90.7 | 4.66  | 99.6  | 90.66 |       |      |      | 6.66            |                 |       | 0     | 10000  |       | •      |       | 100.0 |
|                             | 90.7 | 39.4  |       | 90.66 |       |      | 6.66 |                 |                 |       | 100.0 | 100.0  | 0     | 10000  |       | 100.0 |
| 8                           | 90.7 | 4.66  | 6     | 99.66 |       |      | .6   |                 |                 | •     | 0     |        |       |        |       | 100.0 |
|                             | 100  | 4.66  | 6     | 90.66 |       | •    | 6    | 6               |                 | 6.66  | 100.0 | 10000  |       |        |       | 100.0 |
| 400                         | 90.7 | 90.6  | 99.6  | 90.66 | 8.66  | •    | 6.66 |                 |                 |       | 0     | 10000  | 100.0 |        | 100.0 | 100.0 |
|                             | 1006 | 9066  | 6     |       | 6     | 99.8 | 6    | 6.66            |                 |       | 100.0 | 10000  | •     | 0      |       | 10000 |
| 1 200                       |      | 3.66  |       | 99.66 | 90.66 |      | 6    | 6.66            |                 | 6066  | 100.0 | 10001  | •     | 100.0  | 100.0 | 100.0 |
| 8                           | 1.06 | 90.66 | 9.66  |       | 9.66  | 8 66 | 6.66 | 6.66            | 6.66            | 6.66  | 100.0 | 10000  | 0.001 | 0      | 100.0 | 1000  |
|                             |      | 19.4  |       | 99.0  | 97.0  | 39.0 | 4066 | 44.7            | 77.9            | 29.9  | 100.0 | 0 0001 | 0.001 | 10000  | 100.0 | 1000  |

TOTAL NUMBER OF OBSERVATIONS

1240

0

0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02 HOURS (1.5.7.) SEP

200

| CEILING    |       |         |        |         |         |         | VISIA  | VISIBILITY (STATUTE MILES) | ATUTE MIL | .ES)    |         |        |         |        |     |      |
|------------|-------|---------|--------|---------|---------|---------|--------|----------------------------|-----------|---------|---------|--------|---------|--------|-----|------|
| (FEET)     | 2 4   | o<br>Al | 8 41   | AI      | 8 1     | 2 2%    | Z 4    | ×1 ×                       | ¥1 ¥      | <u></u> | %<br>Al | *      | Z<br>Al | ≥ 5/16 | N N | AI . |
| NO CEILING | 10.1  |         | 0.06 0 | 0.06    | 0.06    | 0.06    | 90.0   | 0.06                       | 90.0      | 90.0    |         | 90.0   | 90.0    | 90.0   | 90. | 06 0 |
| ≥ 20000    | 71.3  |         | 90.7   | 90.7    | 90.7    | 90.7    | 7.06   | 40.1                       | 90.7      | 90.7    | 90.7    | 90.7   | 90.7    | 90.1   | .06 | 1 90 |
|            | 72.0  |         | 91.3   | 91.3    | 61.3    | 91.3    | 61.3   | 91.3                       | 91.3      | 91.3    | 91.3    | 91.3   | -       | 91.3   | 16  | 3 91 |
| 16000      | 72.0  |         | 91.3   | 91.3    | 91.3    | 91.3    | 91.3   | 91.3                       | 91.3      | 91.3    | 91.3    | 91,3   | 91.3    | 91.3   |     | 3 91 |
|            | 72.7  |         | 0.96   | 0.46    | 0.96    | 0.46    | 0.46   | 0.46                       | 94.0      | 0.46    | 0.46    | 0.46   | 0.46    | 94.0   | 96  | 76 0 |
| ¥ 12000    | 74.7  | 96.0    | 96.0   | 0.96    | 96.0    | 0.96    | 0.96   | 0.96                       | 96.0      | 96.0    | 96.0    | 96.0   | 96.0    | 96.0   | 96. | 96 0 |
|            | 75.3  |         | 1.96   | 1.96    | 1.96    | 1.96    | 1.96   | 46.7                       | 96.7      | 96.7    | 96.7    | 1696   | 96.7    | 96.1   | 96. | 96 / |
| 0006       | 75.3  |         | 1.96   | 96.7    | 1006    | 96.7    | 1.96   | 1.96                       | 96.7      | 96.7    | 96.7    | 96.7   | 96.7    | 96.7   | 96  | 1 96 |
|            |       |         | 1.96   | 1.96    | 1.96    | 1.96    | 1.96   | 1006                       | 96.7      | 96.7    | 1096    |        | 1.06    | 1.96   | 96  | 96 / |
| 7000       | 76.0  |         | 97.3   | 97.3    | 97.3    | 97.3    | 97.3   | 97.3                       | 97.3      | 97.3    | 97.3    | 97.3   | 97.3    | 97.3   | 97. | 3 97 |
| 1          | 76.7  |         | 98.0   | 98.0    | 0.86    | 98.0    |        | 0.86                       | 98.0      | 98.0    |         | 0.86   | 98.0    | 98.0   | 96  | 96 0 |
| 9000       | 77.3  |         | 666    | 66.3    | 66.3    | 66.3    | 99.3   | 99.3                       | 99.3      | 99.3    |         | 99.3   | 99.3    | 99.3   |     | 3 99 |
|            | 17.3  |         | 99.3   | 66.3    | 66.3    | 66.3    | 66.3   | 66.3                       | 99.3      | 99.3    | 99.3    | 99.3   | 99.3    | 99.3   | .66 | 3 99 |
| 900        | 0     | 1000    | 10000  | 100.001 | 100001  | 100.001 | 10.00  | 00.00                      | 100.0     | 100.0   | 100.001 | 100.0  | 100.0   | 100.0  | 100 | 0100 |
| 1          |       | 0000    | 100.0  | 100.0   | 100.0   | 100.001 | 100001 | 00.00                      | 0.001     | 100.0   | 100     | 100.0  | 100.0   | 100.0  | 100 | 0100 |
| 3000       |       | 10000   | 100.0  | 100.01  |         | 100.001 | 10.00  | 00.00                      | 100.0     | 100.0   | 100.00  | 100.0  | 100.0   | 100.0  |     | -    |
|            | 78.01 | 100.0   | 100.0  | 100.0   | 10000   | 100.001 | 10.00  | 00.00                      | 0.001     | 100.0   | 100.0   | 100.0  | 100.0   | 100.0  | 100 | 0100 |
| 7 2000     | 0     | 100.0   | 100.0  | 100.00  | 100.001 | 0       | 0000   | 00.00                      | 0.001     | 100.0   | 100.0   | 100.0  | 100.0   | -      | 100 | 0100 |
| 1          | 0     | 0000    | 100.0  | 100.0   | 100.0   | 10000   | 00.00  | 00.00                      | 0.001     | 100.0   | 100.0   | 100.0  | 100.0   | 100.0  | 100 | 0100 |
| N 1500     |       | 100.00  | 100.0  | 100.0   | 10000   | 100,001 | 00.00  | 00.00                      | 0.001     | 100.0   | 100.0   | 100.0  | 100.0   | 100.0  | 100 | 0100 |
|            | 78.01 | 00.00   | 0.001  | 100.0   | 100.001 | 100.01  | 00.00  | 00.00                      | 0.001     | 100.0   | 100.0   | 100 0  | 100.0   | 100.0  | 100 | 0100 |
| 90         | 0     | 100.00  | 100.0  | 100.0   | 100.001 | 100.01  | 00.00  | 00.00                      | 0.001     | 100,0   | 100.0   | 100.0  | 100.0   | 100,0  | 100 | 0100 |
|            | 78.01 | 100.0   | 100.0  | 100.0   | 100.001 | 0       | 10.00  | 0000                       | 0.001     | 100.0   | 100.0   | 100,0  | 100.0   | 100.0  | 100 | 0100 |
| 8          |       | 100.00  | 100.0  | 100.0   | 10000   | 100.001 | 10.00  | 00.00                      | 100.0     | 100.0   | 100.0   | 100,0  | 100.0   | 100.0  | 100 | 0100 |
|            | 78.01 | 100.00  | 100.0  | 100.0   | 100.001 | 10001   | 00.00  | 00.00                      | 0.001     | 100.0   | 100.0   | 100,0  | 0.001   | 100.0  | 100 | 0100 |
| 8          |       | 100.00  | 10001  | 100.0   | 100.00  | 100.01  | 10000  | 00.00                      | 100.0     | 100.0   | 100.0   | 100.0  | 10000   | 100.0  | 100 | 0100 |
|            |       | 100.00  | 100.0  | 100.0   | 100.0   | 00.001  | 00.00  | 00.00                      | 0.001     | 100.0   | 100.0   | 100.0  | 100.0   | 100.0  | 100 | 0100 |
| 84         | 5     | 10000   | 100.0  | 100.0   | 10000   | 10001   | 00.00  | 00.00                      | 0000      | 10000   | 100.0   | 10000  | 100.0   | 1000   | 100 | 0010 |
| 98         | 18.01 | o       | o      | 0.      | 100.00  | 10000   | 10.00  | 00.00                      | 0.001     | 10000   | 100.0   | 100.0  | 0.001   | 100.0  | 100 | -    |
|            | 0     |         | 0      | 100.0   | 100.001 | 100.001 | 0000   | 00.00                      | 100.0     | 100.0   | 100.0   | 100.0  | 0.001   | 100    | 100 | 0100 |
| 80         |       | 00      | O      | 100.001 | 100.001 | 100001  | 00.00  | 00.00                      | 0.001     | 100.0   | 100.0   | 0 0001 | 0.001   | 100.0  | 100 | 0010 |
| 1          | 3     | 5000    | 2      | •       | 5       | 5       | 5000   | 5                          | 2         | 2000    | 2       | 2      | 2       | 200    | •   | 1    |

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

SEP NONTH OS HOURS (LST)

150

TOTAL NUMBER OF OBSERVATIONS

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DIRNAVOCEANMET SMOS

MANAL MEATHER SERVICE DETADMINENT, ASHEVILLE, INC.

WUND ARTZONE

23155

ONITIED ON

V 20000 18000 0000 AIAI

800 9 900 900 4000 3500 3000 2500 2000 1800 300

2000 12000

14000

CELLING

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

HOUSES LLIS 3

91.3 97.3 0.86 96.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 99. Mino. choo. ch 99. \$100. 0100. 0100.0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 99. 3100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 99. 31.00. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 88.0 F . 16 96.0 99. 31 00. 01 00. 01 00. 01 00. 01 00. 01 00. 01 00. 01 00. 01 00. 01 00. 01 00. 01 00. 01 00. 01 00. 01 00. 0 99. 3100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 99. 31 56. 0166. 0160. 0160. 0160. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 99. 31 00. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 0100. 8 0.38 88.0 0.96 0.34 3000 ... 97.3 97.3 97.3 97.3 A 6.8.0 98.0 98.0 0.39 0.39 68.0 96.0 86.0 4... 0.00 86.0 E . 16 88.0 0.96 61.3 0.36 98.0 6.10 0.96 6.16 0.06 E . . 97.3 0.36 98.0 98.0 2. 3 0.88 96.0 VISIBILITY (STATUTE MILES 0.33 0.96 6.16 8.14 0.94 88.0 97.3 97.3 0.36 67.3 51.3 91.3 0.86 0.00 0.88 58.0 01.0 97.3 97.3 97.3 98.0 96.0 98.0 98.0 0.86 0.06 0.34 0.96 FILA 0.34 3.6 6.16 88.0 0.34 0.3% 2.10 4 0.00 98.0 97.3 61.3 E . 14 68.0 0.96 3.8 0.96 96.0 51.3 97.3 91.3 0.96 See. 97.3 98.0 0.84 87.3 91.3 5.50 1006 \$6.3 7.36 96.7 36 98. .06 36. . 36 98 98 98. 98 90. 0.4 ... 3.6 38 .0 9

150

311

TOTAL NUMBER OF OBSERVATIONS

80

88

88

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

23195

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

SEP

| CEILING    |      |     |       |         |         |       | VIS   | IBILITY (S | VISIBILITY (STATUTE MILES | (S3)    |        |       |        |        |      |      |     |
|------------|------|-----|-------|---------|---------|-------|-------|------------|---------------------------|---------|--------|-------|--------|--------|------|------|-----|
| (FEET)     | 5    | ۸I  | \$ 41 | 1       | K AI    | 2 2%  | 2 2   | ¥1 Y       | ¥1 ¥1                     | <u></u> | AI     | *     | AI 2   | 2 5/16 | AI   | AI 3 | 0   |
| NO CEILING |      | 85. | 86.0  | 66.0    | 86.0    | 9     | 86.0  | 86.0       | 86.                       | 86.     | 86.    | 99 0  | 0 86.  | 0 86.  | 98 0 | 8 0  | 0.9 |
| ¥ 20000    |      | 88  |       | 89.3    | 89.3    | 89.3  | 89.3  | 89.3       | 89.3                      | 89.     | 3 89   | 3 89. | 3 89.  |        | 60   |      | 9.3 |
|            |      | 88. | 89.3  | 89.3    |         | 80.3  | 89.3  | 89.3       |                           | 89.     | 89.    | 3 89. | 3 89.  | 3 89 € | 3 89 | 3    | 9.3 |
| 14000      |      | 90. | 90.7  | 1006    | 1.06    | 0     | 90.7  | 90.7       | 90.1                      | 1 90.   | .06    | 1 900 | 7 90.  | 7 90.  | 7 90 | 7    | 7.0 |
| 1          |      | 92. | 93.3  | 93.3    | 93.3    | 93.3  | 93.3  | 93.3       | 93.3                      | 93.     | 3 93.  | 3 93. | 3 93.  | 3 93.  | 3 93 | 3 9  | 3.3 |
| 12000      |      | 93. | 94.0  | 0.46    | 0.46    | *     | 0.46  | 0.46       | 94.0                      |         | 94.0   | 96 0  | . 76 0 | 0 94.  | 96 0 | 0    | 0.0 |
| 1          |      | 96  | 1096  | 96.7    | 1006    | 96.7  |       | 96.        | 96                        |         | 96.    | 1 96. | 1 90.  | 7 96.  | 7 96 | 6 1  | 6.7 |
| 800        |      | 96  | 96.7  | 1.96    | 40.1    | 96.7  | 96.7  | 96.1       | 96                        | 1 96.   | 1 96.  | 1 96. | 7 96.  |        | 7 96 | 7    | 6.7 |
| 1          |      | 96. | 97.3  | 97.3    | 97.3    |       |       | 97.3       | •                         | 1 97.   | 3 97.  | 3 97. | 3 97.  | 3 97.  | 3 97 | 3 9  | 7.3 |
| 700        |      | 96  | 97.3  | 97.3    | 97.3    | 97.3  | 97.3  | 97.3       | 97.                       | 3 97.   | 3 97.  | 3 97. | 3 97.  | 3 97.  | 3 97 | 3    | 7.3 |
| 1          |      | 96  | 97.3  | 97.3    | 97.3    | 97.3  |       |            | 97.                       | 97.     | 3 97.  | 3 97. | 3 97.  | 3 97.  | 3 97 | 3 9  | 7.3 |
| 9005       |      | 98. | 98.7  | 98.7    | 98.7    | 98.7  | 98.7  | 98.7       | 98.                       | 98.     | .86 1  | 7 98. | 7 98.  | 7 98.  | 1 98 | 1 9  | 8.7 |
|            |      | 98. | 1.96  | 98.7    | 1.86    | 98.7  | 7.86  | 98.        | 98.                       | 98      | .86    | 1 98. | 1 98.  | 7 98.  | 1 98 | 1 0  | 8.7 |
| 1 1        |      | 98. | 66.3  | 100.001 | 100.001 | 10000 | 100.0 | 100.0      | 100.0                     |         | 0100.  | 0100  | 0100   | 0100   | 0100 | 0010 | 0.0 |
| 1          |      | 98. | 66.66 | 100.01  | 0.001   | 0000  | 100.0 | 100.0      | 100.0                     | 100.0   | 100    | 0010  | 0010   | 0100   | 0010 | 0010 | 0.0 |
| 300        | 98.7 | 96  | 66.3  | 100.001 | 100.001 | 0.001 | 100.0 | 100,0      | 100.0                     | 10000   | 100    | 0100  | 0010   | 0100   | 0100 | -    | 0.0 |
|            |      | 98. | 66.66 | 100.00  | 100.001 | 0.00  | 0.001 | 100,0      | 100.0                     | 10000   | 1001   | 0100  | 0100   | 0100   | 0010 | 0100 | 0.0 |
| 7000       |      | 98  | €.66  | 100.01  | 100.001 | 1000  | 100.0 | 100.0      | 100.0                     | 10000   | 100.0  | 0100  | 0100   | 0100   | 0100 | 0010 | 0.0 |
|            |      | 98. | 66.3  | 100.001 | 100.00  | 0000  | 100.0 | 100.0      | 100.0                     | 100     | 0100.  | 0100  | 0010   | 0100   | 0010 | 0010 | 0.0 |
| 1500       |      | 000 |       | 100.001 | 100.001 | 1000  | 100.0 | 100.0      | 100                       | 100.    | 0100   | 0100  | 0010   | 0100   | 0100 | 0010 | 0.0 |
|            |      | 98  |       | 100.0   | 100.0   | 0000  | 10000 | 100.0      | 100.0                     | 100     | 0100   | 0100  | 0010   | 0100   | 0100 | 0100 | 0.0 |
| 1 11       |      | 98  |       | 100.001 | 100001  | 0000  | 100.0 | 100.0      | 100                       | 100.    | 0100   | 0100  | 0010   | 0100   | 0100 | 0100 | 0.0 |
|            |      | 98. | 99.3  | 10000   | 100.001 | 0.00  | 100.0 | 100.0      | 100.0                     | 100     | 0100   | 0100  | 0010   | 01.00  | 0100 | 0100 | 0.0 |
| 800        |      | 86  | 66    | 10000   | 100001  | 00001 | 100.0 | 100.0      | 1000                      | 1000    | 0100.  | 0100  | 0010   | 0100   | 0100 | 0100 | 0.0 |
|            |      | 96  |       | 0.00    | 1000    | 0000  | 10000 | 100.0      | 100.0                     | 100.0   | 100    | 0010  | 0010   | 0100   | 0010 | 0100 | 0.0 |
| 8          |      | 98  |       | 100.001 | 10000   | 0000  | 100.0 | 100.0      | 100.0                     | 100.0   | 100    | 0010  | 0010   | 0100   | 0100 | 0100 | 0.0 |
|            |      | 98. |       | 100.0   | 0.001   | 0000  | 100.0 | 100.0      | 100.0                     | 10000   | 100    | 0100  | 0010   | 0100   | 0010 | 0100 | 0.0 |
| 8          |      | 96  |       | 100.00  | 100.001 | 0000  | 10000 | 100.0      | 100.0                     | 1000    | 10010  | 0010  | 0010   | 0100   | 0100 | 0010 | 0.0 |
|            |      | 98  |       | 100.0   | 0.001   | 0000  | 10000 | 100.0      | 100.0                     | 1000    | 0010   | 0100  | 0010   | 0010   | 0100 | 0010 | 0.0 |
|            |      | 98  | 66.3  | 100.001 | 100001  | 0000  | 100.0 | 100.0      | 100.0                     | 1000    | 1001   | 0100  | 0010   | 0100   | 0100 | 0010 | 0.0 |
|            |      | 98  | 66.66 | 100.00  | 0.001   | 0000  | 0.001 | 100.0      | 100.0                     | 1000    | 100    | 01100 | 0010   | 0100   | 0100 | 010  | 0.0 |
| ٥          | 98.7 | 98  | 99.3  | 10000   | 100.001 | 0000  | 10001 | 100.0      | 100.0                     | 1000    | 1160.1 | 0010  | 0010   | 0100   | 0010 | 010  | 000 |

TOTAL NUMBER OF OBSERVATIONS

### CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

23195

14 HOURS (1 S 7 ) SEP

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|            |      |         |       | PERCE! | PERCENTAGE FREQUE<br>(FROM HOURLY | FREG  | UENC<br>LY OB | FREQUENCY OF OCCURRENCE HOURLY OBSERVATIONS) | CCUR     | RENC<br>S)      | ш         |                |          |          | ) Sunon | *    |
|------------|------|---------|-------|--------|-----------------------------------|-------|---------------|--|----------|-----------------|-----------|----------------|----------|----------|---------|------|
| CEILING    |      |         |       |        |                                   |       | VISI          | VISIBILITY (STATUTE MILES)                   | TUTE MIL | ES)             |           |                |          |          |         |      |
| (186       | 2    | Ø<br>Al | \$ 21 | 4      | £ 7                               | 2 2%  | 7             | YI<br>%1                                     | 71 7     | - 1             | × VI      | * 11           | AI ×     | ≥ 5/16   | N<br>N  | N N  |
| NO CEILING | 9    | 86.0    | B6.7  | 86.7   | 86.7                              | 86.   | 86.7          | 86.7   | 86.7     | 86.7            | 86.7      | 86.7           | 86.7     | 86.7     | 86.7    | 86.  |
| > 20000    | 90.0 | 0.06    | 40.1  | 90.7   | 1.06                              | 90.7  | 1.06          | 1.06   | 90.7     | 90.7            | 90.7      | 90.7           | 90.7     | 90.7     | 90.7    | 90.  |
|            | 0    | 90.0    | 1006  | 40.1   | 90.7                              | 90.1  | 4000          | 1006   | 40.7     | 90.7            | 90.7      | 90.7           | 90.7     | 90.7     | 90.7    | .06  |
| ≥ 16000    | 1006 | 1.06    | 616   | 91.3   | 61.3                              | 91.3  | 61.3          | 91.3   | 616      | 91.3            | 91.3      | 91.3           | 91.3     | 91.3     | 61.3    | 91.  |
|            | 3    | 93.3    | 0.96  | 0.46   | 0.46                              | 0.46  | 0.46          | 0.46   | 0.46     | 0.46            | 0.40      | 94.0           | 0.96     | 94.0     | 94.0    | 94.  |
| > 12000    |      | 0.46    | 1.96  | 94.7   | 1.46                              | 64.7  | 1.50          | 1.46   | 1.56     | 94.7            | 7.46      | 94.7           | 94.7     | 94.7     | 94.7    | 94.  |
| 200        |      | 1.96    | 95.3  | 95.3   | 6993                              |       | 95.3          | 95.3   | 95.3     | 95.3            | 95.3      | 95.3           | 95.3     | 95.3     | 95.3    | 95.  |
| 0006       | 95.3 | 95.3    | 0.96  | 0.96   | 96.0                              | 0.96  | 0.96          | 0.96   | 0.96     | 96.0            | 96.0      | 96.0           | 96.0     | 96.0     | 96.0    |      |
|            |      | 68.3    | 0.96  | 0.96   | 0.96                              | 0.96  |               | 0.06   | 0.96     | 96.0            | 0.96      | 96.0           |          | 0.96     |         | 96   |
| 7000       |      | 97.3    | 0.86  | 98.0   | 98.0                              | 98.0  |               | 0.86   |          | 98.0            | 98.0      | 98.0           | 98.0     | 98.0     |         | 98.  |
| 1          |      | 98.0    | 98.7  | 98.7   | 98.7                              | 98.   | 66.3          | 66.3   | 66.66    | 99.3            | 99.3      | 99.3           | 69.3     | 99.3     | 66.3    | .66  |
| 0005       | 98.7 | 98.7    | 66.3  | 66.3   | 66.3                              | 66    | 100.001       | 100.0100.0100                                | 00.00    | 100.0           | 00        | .0100.0010.    | 100.0    | 100.0    | 100.0   | 100  |
|            |      | 98.7    | 29.3  | 6.66   | 66.66                             | 86.3  | 100.0         | 100.001                                      | 0.00     | 100.0           | 100.0     | 100.0          |          | 001      |         |      |
| 141        | 98.7 | 98.7    | 66.3  | 66.3   | 66.3                              | 86.66 | 100.00        | .3100.0100.0100.0100.010                     | 00.00    | 100.0           | 100.0     | 0100.0100.0100 | 10.      | .00      | 100.0   |      |
| 1          |      | 98.     | 66.66 | 66.3   | 66.3                              | 66.3  | 100.0         | 100.001                                      | 00.00    | 0000            | 0100.0010 | 100.0          |          |          | 0.0010  | 100  |
| 3000       | 7.86 | 7.96    | 66.3  | 66.3   | 66.3                              | 86.3  | 100.001       | 100.001                                      | 00.00    | 10000           | 100.0     | 0100.0010      | 100      | 0.0010.  | 100.0   |      |
| -          | 186  | 48.7    | 66.3  | 66.3   | 6.66                              | 66.3  | 0.001         | 100001                                       | 00.00    | 0.001           | 00        | 0.0010         | 100.001  | 00       | 100.0   |      |
| 7 2000     | 186  | 98.7    | 66.3  | 66     | 66.3                              | 66.3  | 100.0100      | 100.001                                      | 00.00    | 0.0010.         | 00        | .0100.01       | 00       | .0100.01 | 100.0   | -    |
|            | 1.86 | 98.7    | 666   | 66.3   | 66.3                              | . 3   |               | 0100.01                                      | 00       |                 | 0.0010.   | 0.0010.        | 100.0    | 100.001  | 100.0   | 1001 |
| > 1500     |      | 98.1    | 66.3  | 66.3   | 66.3                              | 66.3  | 100001        | 0  | 0010.001 |                 | 0100.0010 |                | 00       | 00       | 0100.0  |      |
|            | 196  | 98.7    | 6.66  | 99.3   | 66.3                              |       | 100.0         | 0  | 00.00    |                 | 0100.0010 | 100.0          | 00       |          | 100.0   | 100  |
| 2 1000     | 1.96 | 1.86    | 99.3  | 66     | 60.00                             |       |               | 0  | 100.001  | 00              | 0100.0010 |                | 001      | 00       | 0100.0  | 100  |
| 08 1       |      | 96.7    | 66.3  | 66.3   | 66.3                              | .3    |               |  | 0010.00  |                 | 0100.0010 | 10000          | 00       | 0.0010   | .0100.0 | 100  |
| 00<br>Al   | 1.86 | 98.7    | 666   | 66     | 99.3                              | 66    | 100001        |  | 100.0100 |                 |           |                | 00       | 8        | 100.0   | 100  |
|            |      | 98.7    | 68.3  | 66.3   | 66.3                              | 666   | 0.001         | 0100.01                                      | 00.00    | 00              | 0100.0    | 0100.01        | 100.001  | 100.01   | 100.0   | 100  |
| 009        | 98.7 | 1.86    | 66.3  | 66.3   | 66.3                              | 86.3  |               | 0100.01                                      | 0010.00  |                 | 0100.0010 |                | 00.00    | 100      | 100.0   |      |
| 200        | 1.86 |         | 60.0  | 66.3   | 66.3                              | 99.3  | 0.00          | 00.0010.00                                   | 00       | 0.0010          | 0.0010    | 100.0          | 100.0    | 100.0    | 100.0   | 100  |
| 1 400      | 98.7 | 1.86    | 29.3  | 99.3   | 66.3                              | 89.3  | 100001        | 0100.01                                      | 00.00    |                 | 0100.0010 | 100.001        | 100.0    | 100      |         | -    |
| 38         | 100  | 78.7    | 6.66  | 66.3   | 66.8                              | 666   | 00.00         | 00100.00100                                  | 00.00    |                 | 0100.0010 | 100.0          |          | 100      | -       | -    |
|            |      | 78.7    | 66.6  | 99.3   | 99.3                              | 666   | 0.001         | 0  |          |                 | 100.0     | 0100.0100.0100 |          | 100      | 10000   | 100  |
| VI         | 78.7 | 78.7    |       | 66.3   | 69.3                              |       | 0.001         | 0100.01                                      |          | 0.0010          | 0.001     | 0100-0100-010  | 0        | 00       | 10000   |      |
|            | 78.7 | 98.7    | 99.3  | 66.3   | 66.3                              | 99.3  | 100001        | 100.0100.0100                                |          | .0100.0100.0100 | 100.0     | 100.0          | .0100.00 | 00       | .0100.0 | -    |

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

HOURS (L S T MONTH

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SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

91.3 100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 ٨١ 0.46 0.96 6103 65.3 7.06 94.7 65.3 97.3 0.96 0.46 7.06 616 94.7 2 5/16 0.96 0.46 91.3 94.7 97.3 97.3 7.06 2 Al 91.3 95.3 96.0 \* 62.3 61.3 0.06 0.96 91.3 85.3 1.46 7.06 % Al 0.46 96.0 1006 94.7 95.3 97.3 97.3 90.7 91.3 AI VISIBILITY (STATUTE MILES) 0.96 91.3 0.46 95.3 7.06 4.7 7.06 17 0.96 7.06 97.3 97.3 91.3 0.46 7.46 95.3 95.3 95.3 17 0.46 0.96 61.3 7.46 7.06 1.06 7 6.16 0.46 0.96 91.3 94.7 1 2% 0.46 96.0 61.3 97.3 7.06 7.46 N Al 95.3 0.96 90.7 0.46 1. 76 91.3 97.3 A 7.86 0.46 6.16 98. 0.96 1.46 95.3 98.1 98.7 1.86 91.5 98.7 7.86 7.86 7.80 98.7 98.1 98.7 1.86 98.7 1.86 98.7 98. 98. 98. 98. 1 94.0 95.3 0.96 97.3 98.7 91.3 7.86 98.7 98.7 1.06 7.46 98.1 98.7 98.7 98.7 98.7 90. 98.7 98. 198 98.1 98. 98.7 98 98 ۸I 0.00 95.3 96.0 6.16 91.3 98. 98.7 7.86 7.76 1.86 98.7 98.7 7.86 1.86 98.7 98.7 1.86 1.86 98.7 98.7 98.7 98.7 78.7 1.86 98.7 1.86 1.86 98. 2 NO CEILING 80 VI VI 8000 0000 0000 0000 (FEET) ¥ 20000 12000 900 2000 2000 450 3000 2500 500 98 88 88 88 88 AI AI ALAI ALAI AI AI ALAI AI AI ALAI ALA

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET

0

0.96

0.96

0.96

96.0 1.96 96.7

1.96 96.7

96

0.26

91.3

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### CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

SEP MONTH

91.3 93.3 90.7 71 93.3 2 5/16 Al \* 93.3 92.0 91.3 7.06 7 7

VISIBILITY (STATUTE MILES) 61.3 95.0 1.06 ۲ ۸۱

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N Al

Al

(FEET)

NO CEILING

≥ 2000

0.96 93.3 93.3 0.96 90. 63.3

0.06

6163

91.3

92.7

73.3

12000

0.96 1.96 0.96

0.86 66.3 7.96 0.86 1.96 1.96

94.

6.56

. 46

74.0

69.3

74.0

2000

75.3

2000

4500

3500

14.7

0.00100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 99.3 99.3 99.3 99.3 6006 6666 96.0 95.3 0.96

66.3

0.86

66.3

99.31 0.96 66.3 6.66 66.3 48.7 96.7

66.3 66.3 98.0 98.7 98. 98. 98.0 100 98. 96.0 97.3 97.3

98.7 98.0 0.86 0.86 16.0 76.0 76.0

0.9/

2000

AI AI

76.0 0.9/ 76.0 0.9/

1500

AI AI

66.3

66.3

66.3

66.3

98.0 98.

900

ALAI

76.0

88

AI AI

76.0 16.0 76.0

88

ALAI

76.0 76.0

76.0

88

AI AI

88

AIAI

0.0010.00100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 70.07

80

AI AI

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23 HOURS (1.5.T.) SEP

| on in     |             |         |       |       |        |       |       | /ISIBILI | TY (STA | VISIBILITY (STATUTE MILES) | E    |      |      |       |      |        |      |       |      |
|-----------|-------------|---------|-------|-------|--------|-------|-------|----------|---------|----------------------------|------|------|------|-------|------|--------|------|-------|------|
| (FEET)    | 2 41        | o<br>Al | S AI  | AI AI | AI AI  | 1 2%  | 1 2 2 | AI       | 27      | 71                         | Ā    | Al   | *    | *     | N X  | 2 5/16 | AI   | 2     | 0 11 |
| O CEILING | 67.3        | 87.3    | 87.3  | 87.3  | 87     | 3 87. | 3 87. | 3 8      | 6.1     | 87.3                       | 87.  | 3 87 | £:   | 87.3  | 87.  | 3 87.  | 3 87 | .38   | -    |
| 2 20000 × | 68.7        | 88.7    | 88.7  | 88.7  | 88.7   |       | 7 88  | 00       | 8.7     | 88.7                       | 88   | 7 88 | 1    | 88.7  | 88   | 7 88.  | 7 88 | .7 8  | . 8  |
|           | 70.0        | 90.0    | 0.06  | 90.0  | 000    | 06 0  | 06 0  | 06 0     | 0.0     | 90.0                       | .06  | 06 0 | 0    | 0.06  | 90.  | 0 90.  | 06 0 | 0     | 90.  |
| 14000     | 70.0        | 90.0    | 0.06  | 90.0  | 9000   | 90.   | 0 90  | 0        | 0.0     | 0.06                       | 90   | 06 0 | 0    | 0.06  |      | 0 80   | 06 0 | 000   | 0    |
|           | 72.0        | 92.7    | 92.7  | 92.   | 92.    | 92.   | 7 92. | 4        | 2.7     | 92.7                       | 92.  | 7 92 | 1.   | 1.26  | .76  | 7 92.  | 7 92 | 6     | 2.   |
| 12000     | 74.0        | 94.7    | 94.7  | 94.7  | 94.    | 1 94. | 7 94. |          | 4.7     | 7.46                       | 94.  | 7 94 | . 7  | 1.46  | 94.  | 7 94.  | 7 94 | .7    | . *  |
|           | 15.3        | 97.3    | 97.3  | 97.   | 97.    | 3 97. | € 67. | 6        | 6.3     | 97.3                       | 97.  | 3 91 | 6.   | 11.3  | 91.  | 3 97.  | 3 97 | .3    | 1    |
| 000       | 75.3        | 97.3    | 97.3  | 97.3  | 97.    | 97.   | 3 97. | 3        | 7.3     | 97.3                       | 97.  | 3 97 |      | 97.3  | 97.  | 3 97.  | 3 97 | .3    | 7.   |
| 1         | 15.3        | 97.3    | 97.3  | 97.   | 97.    | 3 97. | 3 97. | 3        | 6.      | 97.3                       | 97.  | 3 97 | .3   | 97.3  | 16   | 3 97.  | 3 97 | .3    |      |
| 700       | 76.0        | 98.0    | 0.86  | 98.0  | 98.0   |       | 96 0  | 0        | 0.8     | 98.0                       | 98   | 0 98 | 0    | 0.86  | 98   | 98.    | 96 0 | 0.    | 8.   |
| 1         | 76.7        | 98.7    | 48.7  | 98.   | 98.    | . 86  | 1 98. | 7 98     | 8.7     | 7.86                       | 98.  | 1 98 | 1    | 1.86  | 98.  | 7 98.  | 1 98 | .7    | 18.  |
| 2005      | 77.3        | 8.66    | 66.3  | 99,3  | 8 99.3 | . 66  | 3 99. | 3 99     | 6.6     | 66.3                       | .66  | 3 99 | n    | 66.3  | 66   | € 66   | 3 99 | .3 9  | 6    |
| 1         | 17.3        | 66.3    | 66.3  | 99.3  | 99.3   | 66    | 3 99. | € 66     | 6.6     | 99.3                       | 66   | 3 95 | n    | 6.66  | .66  | 3 99.  | 3 99 | .3    | 66   |
| 141       | 78.0        | 100.0   | 100.0 | 100.0 | 100.0  | 1000  |       | .0100    | 10.0    | 0000                       | 100  | 0100 | 0    | 00.00 | 100  | 0100   | 0010 | 0     | 00   |
| 1         | 78.0        | 10000   | 100.0 | 100.0 | 100.0  | 0010  | 0100  | 0010     |         | 0000                       | 100  | 0010 | 10.  | 0000  | 1001 | 0110   | 0010 | 010.  | 00   |
| 3000      | 78.0        | 10000   | 100.0 | 100.0 | 100.0  | 100   | 0010  | 010      |         | 0000                       | 100  | 0010 | 6    | 0000  | 100  | 0100.  | 0010 | .010  | 0    |
| 1         | 78.0        | 100.00  | 100.0 | 100.0 | 100.0  | 100   | 0100  | 0100     | 200     | 0.00                       | 100  | 0010 | 0010 | 00.00 | 00   | 0010   | 0010 | · ore | 00   |
| 7 2000    | 78.0        | 10000   | 100.0 | 100.0 | 100.0  | 100   | 0100  | 010      | 0.01    | 0000                       | 100  | 0010 | 5    | 00.00 | 00   | 0100.  | 0100 | .010  | 00   |
| 1         | 78.0        | 100.00  | 10000 | 100.0 | 1001   | 100.  | 0010  | 010      | 10.0    | 0000                       | 100  | 0010 | 100  | 0.00  | 100  | 0100   | 0010 | 010   | 00   |
| 1500      | 78.0        | 100.001 | 10000 | 100.0 | 1000   | 1000  | 0100  | 010      | 0.01    | 0.00                       | 100. | 0010 | 9    | 00.00 | 100  | 0100   | 0010 | 010   | 00   |
|           | 16.0        | 100.00  | 100.0 | 100.0 | 100.0  | 1001  | 0010  | 010      | 0.01    | 0000                       | 100  | 0010 | 010  | 0000  | 00   | 0010   | 0010 | 010   | 00   |
| 1000      | 76.0100.010 | 100.00  | 100.0 | 100.0 | 100.0  | 1000  | 0100  | 010      | 10.0    | 0000                       | 100  | 0010 | 10.  | 00.00 | 00   | 0010   | 0010 | 9000  | 00   |
|           | 0.8/        | 0000    | 100.0 | 100   | 1001   | 1000  | 0100  | 010      | 10.0    | 0000                       | 100  | 0010 | .010 | 0.00  | 001  | 0010   | 0010 | 010.  | 00   |
| 800       | 78.0100.    | 1000    | 100.0 | 100.0 | 10001  | 100   | 0100  | 010      | 0.01    | 0.00                       | 100  | 0100 | 010  | 00.00 | 00   | 0010   | 0100 | 010.  | 0    |
|           | 0.8         | 1000    | 100.0 | 100.0 | 1000   | 100   | 0100  | 010      | 10.0    | 0.00                       | 100  | 0010 | 0.   | 0.00  | 00   | 0010   | 0010 | 010   | 00   |
| 909       | 78.0        | 100.0   | 10000 | 100.0 | 100.0  | 100   | 0100  | 010      | 0.01    | 0000                       | 100  | 0100 | 010. | 00.00 | 00   | 0100   | 0010 | 900   | 8    |
|           | 18.0        | 100.0   | 100.0 | 100.0 | 1000   | 100   | 0010  | 010      | 10.0    | 0.00                       | 100  | 0010 | 0    | 00.00 | 00   | 0100   | 0010 | 010   | 0    |
| ≥ 400     | 78.0        | 100.0   | 100.0 | 100.0 | 100.0  | 1000  | 0100  | 010      | 0.01    | 00.00                      | 100  | 0100 | .010 | 0000  | 00   | 0100   | 0100 | 010   | 00   |
| > 300     | 0100010082  | 0.001   | 100.0 | 100.0 | 0001   | 001   | 0010  | 010      | 10.0    | 0.00                       | 100  | 010  | 100  | 0.00  | 001  | 0010   | 0010 | 010   | 0    |
| 28        | 0.0         | 0000    | 0.001 | 100   | 100    | 0010  | 0010  | 010      | 0.01    | 000                        | 100  | 0070 | 0    | 00.00 | 00   | 0010   | 0010 | 010   | 0    |
| 8         | 90          | 0000    | 0.001 | 0001  | 001    | 0010  | 0010  | 010      | 0 0     | 0000                       | 0001 | 0010 | 5    | 000   | 001  | 0010   | 0010 | 0     | •    |
|           | 5           | 0000    | 1000  | 001   | 1001   | 100   | 0010  | 0010     | 1000    | 0000                       | 1001 | 2010 |      | 5000  | 000  | 0010   | 0010 | 010.  | •    |

TOTAL NUMBER OF OBSERVATIONS

150

-

98.0

90.3

90.3

89.8

1

AI

90.8

8.06

90.8

8006 93.2

8.06

8.06 93.2 95.0 95.0

90.0

40.7

8.06 92.9

80.5

90.1

80.1

93.2

93.1

93.2

80.0

600

600 90.B

90.3

6.06 7.06

89.8 90.3

89.8

89.8 89.8

89.8

89.8

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٨I

2

CEILING (FEET)

NO CEILING

¥ 20000 16000 95.0

95.0

90.96 96.8

90.96

9.96

96.5 96.5

4.96

96.2

95.0

6.46

6.46

1.46

84.3

96.8

96.8

0.86 97.3

0.86 98.6

97.3

2.16

97.1

97.1

7.96

96.6

96.0

96.3 8.96

85.5 85.9 80.5 86.9

98 98

AI AI

200

97.9

7.76 98.2

7.76

97.4 8.86

98.6

9.66

9.66

4.66 7.66

99.2 2.66

2.66

4.66

7.66 66.5 66.5 66.5

98.8 2.66

87.7

87.7

900

AI AI

8.66

96.6

4.86 4.66

99.66

98.0

### CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARILONA

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

MONTH

2 3

ALL HOURS (1 5 T ) SEP

98.0 98.0 98.0 99.6 99.6 99.6 99.6 3.66 3.66 36.66 36.66 36.66 36.66 36.66 36.66 95.0 95.0 98.6 98.6 98.6 93.2 97.3 8.06 96.6 96.6 96.6 95.0 95.0 8.96 98.0 98.0 86.8 8.06 89.8 96.8 93.2 97.3 97.3 97.3 98.6 98.6 98.6 8.06 6006 98.0 98.0 96.8 8.06 95.0 95.0 95.0 9096 99.6 99.66 VISIBILITY (STATUTE MILES)

8.66

9.66

2.66 2.66

3000

AI AI

99.2

88.0 0.88 88.0 88.0

AI AI

90.66

8.66

96.66

6.66 99.5 60.66

2.66

0.88

9.66

66.8

2.66

88.0

2000

ALAI

6.66

8.66 9.66

966

30.5

88.0 88.0

986

ALAI

2.66

90.66

9.66

5.66

2.66

88.0

900

ALAI

966 6 66

2.66

88.0 88.0

88

ALAI

8.66 8.66

9.66

99.5

2.66

9.66

9.66

66.5

80.2

88.0

88

AI AI

2.66

9.66

99.2

0.88

88

AI AI

88.0

9.66

6.66 5.66

2.66

90.66

6.66

2.66

88.0

88

AIAI

TOTAL NUMBER OF OBSERVATIONS

1200

200

8.66

6.66

88.0

80

AI AI

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02 HOURS (1.5.T.) 100

| CEILING    |      |        |         |       |       |       | VIS    | VISIBILITY (STATUTE MILES) | TATUTE A | uLES) |      |         |      |       |      |      |       |       |
|------------|------|--------|---------|-------|-------|-------|--------|----------------------------|----------|-------|------|---------|------|-------|------|------|-------|-------|
| (FEET)     | 5    | 9 11   | \$ 41   | AI    | 21    | ≥ 2%  | 2 4    | 71 %1                      | 7 1      | AI .  | -    | %<br>Al | *    | AI .  | Al   | 5/16 | N AI  | O AI  |
| NO CEILING | 74.8 | 6 2.46 | 6.50    | 95.3  | 95.5  | 95.5  | 95.5   | 95.5                       | 95.      | 50    |      | 95.5    | 95.  | 5 95  | 0.0  | \$   | 95.5  | 95.5  |
| 2000       | -    |        | 1.00    | 1006  | 100   | 100   |        | 100                        | 100      | 7     | -    | 100     | 100  | 100   | 1    | -    | 100   | 100   |
| 18000      |      |        | 1.00    | 100   | -06   | 1.00  | 1000   | 100                        | .00      | 7     |      | 1006    | 0,00 | 100   | ٠.   | 1.0  | 1006  |       |
|            | :    |        | 100     | 100   | 1006  | 1001  | 100    | 1006                       | •        | × -   | 1.0  | 100     | 100  | 700   | 2    | 1 .0 | 100,  | 0,    |
|            | •    |        | 1 . 8 . | 98.1  | 1.86  |       | 1.86   |                            | . 26     | 6 1   | 2.0  | 1.86    | 78.  | 1 98  | 7    | 9.1  | 1.86  | 98.1  |
| ≥ 12000    | 78.1 |        | 7.66    | 4.66  | 4.66  | 4.66  | 4.66   | 99.4                       | 66       | 4     | 4.6  | 99.4    | 66   | 66 4  | 4    | 9.6  | 4.66  | 99.4  |
|            | 78.1 |        | 4.66    | 5.66  | 4.66  | 7.66  | 4.66   | 4.66                       | 66       | 6 4   | 4.6  | 4.66    | 66   | 66 4  | 4    | 4.6  | 4.66  | 4.66  |
| 0006       | 78.1 |        | 4.66    | 7.66  | 4.66  | 4.66  | 4.66   | 4.66                       | 66       | 4 9 9 | 4.6  | 4.66    | 66   | 4 99. | 4 99 | 4.6  | 4.66  | 99.4  |
|            | 78.1 |        | 4.66    | 4.66  | 4.66  | 7.66  | 4.66   | 4.66                       | 66       | 56 4  | 3.4  | 4.66    | 66   | 66 4  | 4    | 4.6  | 7.66  | 99.4  |
| 1 7000     | 78.7 |        | 100001  | 0.001 | 100.0 | 100.0 | 10000  | 100.0                      | 100      | 010   | 1000 | 0000    | 100  | 0100  | 010  | 0.0  | 0.00  | 0001  |
| 1          | 18.1 | 1      | 100.001 | 0.00  | 100.0 | 100.0 | 10000  | 100.0                      | 100      | 010   | 10.0 | 00.00   | 100  | 0010  | 010  | 10.0 | 0.00  | 0001  |
| 900        | 78.7 |        | 100.001 | 0.001 | 100.0 | 100.0 | 100.0  | 100.0                      | 100      | 0100  | 0.01 | 00.00   | 100  | 0010  | 010  | 0.0  | 00.00 | 100.0 |
|            |      | 1      | 100001  | 0000  | 100.0 | 100.0 | 100.0  | 100.0                      | 100      | 010   | 0.01 | 00.00   | 100  | 0100  | 0100 | 0.0  | 0.00  | 100.0 |
| 900        | 78.7 |        | 100.001 | 0000  | 100.0 | 100.0 | 10000  | 100.0                      | 100      | 0100  | 0.01 | 00.00   | 100  | 0100  | 0100 | 6    | 0000  | 100   |
| 1          |      | 1      | 100.001 | 0.001 | 100.0 | 100.0 | 100.0  | 100.0                      | 100      | 0010  |      | 00.00   | 100  | 0100  | 0100 | 10.0 | 00.00 | 00.00 |
| 3000       |      |        | 100.001 | 0.001 | 100.0 | 10000 | 100.0  | 100.001                    | 100      | 0010  | 1000 | 00.00   | 100  | 0000  | 0100 | 60   | 0000  | 1000  |
| 1          |      |        | 100.001 | 0.001 | 100.0 | 100.0 | 100.0  | 100.0                      | 100      | 0100  |      | 0000    | 100  | 0010  | 010  | 10.0 | 0.00  | 0.001 |
| 7 2000     |      |        | 100.001 | 0.001 | 100.0 | 100.0 | 100.0  | -                          | -        | 010   | 1000 | 0000    | 100  | 0010  | 0100 | 0    | 0.00  | 1000  |
|            |      |        | 100001  | 0000  | 100.0 | 10000 | 100.0  | 100.0                      | 100      | 0010  | 10.  | 00.00   | 100  | 0010  | 010  | 0.0  | 0.00  | 0001  |
| > 1500     |      |        | 100.001 | 00.00 | 100.0 | 100.0 | 10000  | 100.0                      | ~        | 0100  | 10.0 | 00.00   | 100  | 0010  | 010  | 10.0 | 00.00 | 1001  |
| 2 1200     |      |        | 0.001   | 0.00  | 100.0 | 100.0 | 10000  | 100.0                      | 100      | 0010  |      | 000     | 100  | 0010  | 010  | 10.  |       | 0001  |
|            |      | 1      | 0.001   | 0000  | 100.0 | 100   | 100.0  | 100.0                      | 100      | 010   | •    | 000     | 100  | 0010  | 0100 | 0    | 00.00 | 000   |
| 88         |      |        |         |       | 100   |       | 000    | 100                        |          |       |      |         | 001  | 0000  |      |      |       |       |
|            |      | 1      | 10000   | 000   | 100.0 | 100.0 | 0000   | 100.0                      | 100      | 010   | 0    | 00.00   | 100  | 0100  | 010  | 0.0  | 0000  | 00.0  |
| 38         | 78.7 |        | 7100.01 | 0000  | 100,0 | 100.0 | 100.00 | -                          | 100      | 010   | 0.0  | 000     | 100  | 0010  | 010  | 0.0  | 0000  | 00    |
|            |      | 1      | 100.001 | 00.00 | 100.0 | 100.0 | 100001 | 100.0                      | 100      | 010   | 10.0 | 0000    | 100  | 0010  | 0100 | 10.0 | 0000  | 0001  |
| 140        | 78.7 |        | 100.001 | 0.001 | 100.0 | 10000 | 100.0  | 100.0                      | 100      | 0010  | 0.0  | 00.0    | 100  | 0010  | 0100 | 10.0 | 00.00 | 1000  |
| 38         | 1.81 |        | 100001  | 0 001 | 0.001 | 0.001 | 10000  | 100.0                      | 100      | coro  | 10.  | 00.00   | 100  | 0010  | 010  | 10.0 | 0.00  | 000   |
|            |      | 98.7   | 0000    | 0.001 | 100.0 | 100   | 100.0  | 100.0                      | 00       | 010   | 0    | 00.00   | 00   | 0010  | 010  | 10.0 | 00.00 | 00    |
| 8          |      |        | 0       | 0.001 | 1000  | 0     | 3      | 100.0                      | 100      | 010   | 0    | •.      | 100  | 0010  | 010  | 0    | 0     | 000   |
|            | 18.7 |        | 0.0     | 1000  | 100.0 | 10000 | 10000  | 100.0                      | 100      | 0100  | 0    | 100.0   | 0010 | 0010  | 0100 | 0    | 00.00 | 1000  |

TOTAL NUMBER OF OBSERVATIONS

155

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0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

YUMAS ARIZONA STATION MANE

23195

73-77

0CT 05 05 HOURS (L.S.T.)

=

| OCCURRENCE                      | ATIONS)                   |
|---------------------------------|---------------------------|
| CY OF                           | BSERV/                    |
| FREQUENC                        | (FROM HOURLY OBSERVATIONS |
| FRCENTAGE FREQUENCY OF OCCURREN | (FROM I                   |

|                            |      | 0          | ~     | 2    | 2    | 80   | 4     | -   | ~    | *  | 0     | 0   | 0    | 0    | 0     | 0    | 0      | 0    | 0          | 0         | 0          | 0        | 0         | 0         | 0        | 0        | 0            | 0   | 0     | 00             | 00   |
|----------------------------|------|------------|-------|------|------|------|-------|-----|------|----|-------|-----|------|------|-------|------|--------|------|------------|-----------|------------|----------|-----------|-----------|----------|----------|--------------|-----|-------|----------------|------|
|                            | AI   | 92.        | 94.   |      | . 46 | 9    | 97.   | 98  | 98   | 6  | 00    | 00  | 00   | 00   | 00    | 0    | 00     | 00   | 00         | 00        | 00         | 8        | 00        | 0         | 00       | 8        | 00           | 00  | 00    | 88             | 88   |
|                            |      | -          | 2     | 6    | 0    | 6    | •     | 6   | 6    | 5  | -     | 01  |      |      | -     | 0100 |        | 010  |            | 010       |            |          | 2         |           |          |          | _            | 2   | 2     | 22             | 00   |
|                            | 7    | 6.         |       | . 2  |      |      | 4     |     |      | 4  |       |     | 0    | 0    |       |      |        |      |            |           |            | •        | •         |           |          | 0        | •            | •   |       | 00             | 00   |
|                            | Al   | 92         | 94.   | 96   | 94   | 96   | 16    | 86  | 98.  | 66 | 100.0 | 100 | 100  | 001  | 100.0 | 00   | 0.001  | 001  | 100.001    | 100       | 100.001    | 100.001  | 100.001   | 0010      | 00       | 00       | 00           | 00  | 8     | 88             | 001  |
|                            | •    | 6          | 2     | 2    | 2    | 80   | *     | -   | 1    | 3  | 10.   | 6   | 8    | 6    | 6     | 0010 | 10.    | 6    | 10.        | 0         | 10.        | 0        | 60        | 0         | 0        | 6        | 0            | 10  | 0     | 33             | 00   |
|                            | 5/16 | 2.         | ;     | 4    | *    | 9    | -     | 98. | 98.  | 6  |       | 0   |      | 0    | •     |      |        |      |            |           |            |          |           |           | 0        |          | 0            | 0   | 0     | 00             | 00   |
|                            | Al   | 0          | 0     | 0    | 0    | 6    | 3     | 6   | 8    | 66 | 100   | 10  | 100  | 10   | 100   | 100  | 100    | 100  | 100        | 100       | 100        |          | 100       |           |          | _        | _            | _   | 100   | 22             | 20   |
|                            | 2    | 6.         | .2    | .2   | .2   | 8    | *     | -   | .7   | *  | 0     | 0   | 0    | 0    | 0     | 0    | 0      | 0    | 0          | 0         | 9          | 0        | 6         | 0         | 0        | 0        | 0            | 0   | 0     | 00             | 00   |
|                            | AI   | 26         | 34    | 34   | 46   | 90   | 2     | 86  | 98   | 66 | 8     | 00  | 8    | 00   | 8     | 00   | 8      | 00   | 100        | 00        | 8          | 00       | 100       | 0         | 8        | 00       | 00           | 00  | 8     | 000            | 80   |
|                            |      | 6          | N     | 2    | ~    | 100  | -     |     | 1    | *  | 7     | =   | 30   | 6    | 7     | 3    | 금      | 6    | 0          | 5         | 0010       |          | 70        | 0100      | 6        | <u> </u> | <del>-</del> | 2   | 3     | 3.3            | 55   |
|                            | *    | •          |       | •    |      |      | :     |     |      |    |       |     |      | 0    |       |      |        |      |            |           |            |          |           |           | •        | •        |              | -   |       |                | 5.6  |
|                            | Al   | 6          | 6     | ŏ    | ò    | 5    | 97    | 5   | 98   | ŏ  |       | 00  | 801  | 001  | 001   | 00   | 00     | 001  | 001        | 001       |            | 00       | 8         |           |          | 8        | -            | 8   | 8     | 88             | 88   |
|                            |      | 0          | 7     | 2    | ~    | 0    | *     | -   | 7    | *  | 0     | 0   | 0    | 6    | 8     | 0    | 5      | 0    | 0          | 0         | 0          | 0        | 8         | 0         | 5        | 0        | 0            | 0   | 0     | 00             | 55   |
|                            | AI   | 92         | 4     | *    | *    | 96   | -     | 86  | 96   | 66 | 0     | 00  | Ó    |      |       |      | 0      | 00   | 00         | 00        | 100        |          |           |           | 0        | 0        | 001          | 00  | 0     | 000            | 00   |
|                            |      |            | o.    | 5    |      | 5    | 0     | 5   | 6    | 5  | 100   | 010 | 100  | 0100 | 100   | 100  | 100    |      | -          | -         | 2          | 010      | 0010      | 010       | 0010     | 3        | 0            | 01  | 001   | 201            | 22   |
|                            | _    | 6.         | .2    |      | .2   |      |       |     |      | 4  | 0     |     | 0    |      | 0     |      | 0      |      | 0          | 0         | 0          |          |           |           | •        |          | •            | •   |       | 00             | 00   |
|                            | Al   | 92         | 36    | 76   | 96   | 96   | 16    | 98  | 86   | 66 | 00    | 0   | 00   | 00   | 00    | 00   | 00     | 00   | 00         | 00        | 00         | 001      | 00        | 00        | 00       | 00       | 0            | 00  | 0     | 000            | 000  |
| VISIBILITY (STATUTE MILES) |      | 6          | ~     | 7    | 7    | 8    | 4     | 1   | 1    | 4  | 6     |     | 5    |      | -     | 0    | 6      | .01  | 0          |           | -          | 70       | 0         |           | 0        |          | 8            | 1   | 6     | 99             | 60   |
| TE A                       | 7.   | 2.         | ;     | *    | ;    | 9    | -     | 8   | 8.   | 6  | 0     | •   | 0    | 0    | 0     | 0    |        | 0    | 0          | 0         | 0          | 00.00    | 100.0     |           | •        | •        | •            | •   | •     |                | 00   |
| D.A                        | Al   | 0          | 0     | 0    | 0    | 5    | 0     | 0   | 0    | 66 | 100   | 001 | 100  | 100  | 100   | 100  | 100    | 100  | 001        | O         | 100        |          |           | 100       |          | 001      | 100          | 001 | 00    | 80             | 00   |
| (ST                        | 2    | 6          | 2     | 2    | 2    | 80   | 4     | -   | . 7  | 3  | 0     | 0   | 0    | 0    | 0     | 0    | 0      | 0    | 0          | 0100.0010 | 0          | 0        | 0         | 0         | 00010000 | 0        | 0            | 0   | 0     | 00             | 00   |
| LITY                       | 71 % | 92         | 16    | 46   | *    | 96   | 16    | 86  | 86   | 66 | 00    | 100 | 0    | 00   | 100   | 100  | 0      | 0    | 0          | 0         | 0          | 0        | 0         | 2         | 0        | 100      | 2            | 001 | 0     | 100            | 000  |
| SIBI                       |      | 0          | ~     | 2    |      | ~    | •     | _   | 7    | -  | 3     | ž   | 0010 | 0100 | 7     | 0    | 0100.0 | 0100 | 100.0100.0 | 7         | 100.0100.0 | 100.0100 | 0010.00   | 100.0100. | 3        | ₹.       | 0100         | 1   | =     | 33             | 33   |
| >                          | ~    | 2.         | *     |      |      | 9    | :     | •   | •    | :  | :     | :   | :    |      |       |      |        |      |            |           | :          | :        | :         | :         | •        | •        | :            | )•( | :     |                |      |
|                            | AI   | 6          | 5     | 6    | 6    | 6    | 0     | 86  | 98   | 66 | .00   | 100 | .00  | 00   | č     | 100  | 100    | 100  | ŏ          | 100       | 0          | 0        | õ         | o.        | ŏ        | 001      | ŏ            | 001 | 00.   | 000            | 000  |
|                            |      | 0          | 2     | ~    | 2    | 80   | 4     | -   | -    | -5 | 0     | 6   | 5    | 6    | 5     | 0    | 5      | 0    | 5          | 0         | 5          | 0        | 5         |           | 0        | 0        | ਰ            | 0   | 0     | 6 6            | 00   |
|                            | 21/2 | 92         | 34    | 4    | 4    | .0   | -     | 0   | 8    | o. | 0     | o   | 00   | 0    | 00    | 00   | 00     | 0    | 001        | 001       | 100        | 00       | 0         | 00        | 0        | 0        | 0            | 0   | 00    | 00             | 00   |
|                            | ۸I   |            | 00    | 5    | 5    | 5    | 2     | 5   | 6    | 2  | 2     | 10  | 2    | 2    |       | 2    | 2      | 0100 | 2          | 2         | 20         | 01       | 0100.0010 | 01        | 0100     | 2        | 2            | -   | -     | 01             | 100  |
|                            |      | 6.         |       | 4.2  |      | 6.9  |       |     |      | 4. |       | 0   | 6.   | 0    | 0     | 0    | 9      |      | 5          | 0.0010    | 0100.01    | 0.0010   | •         | 0         |          |          | 5            |     | 0     | 00             | 00   |
|                            | Al   | 92         | 0     | 56   | 46   | 96   | 16    | 86  | 96   | 66 | 00    | 100 | 00   | 100  | 100   | 100  | 100    | 100  | 0010       | 00        | 00         | 00       | 00        | 0010      | 0010     | 100      | 001          | 00  | 100   | 100            | 000  |
|                            |      | 6          | N     | 2    | ~    | 00   | 4     | -   | 1    |    | 0100  | 0   | 0100 | 0    | 0     | 0    | 6      | 0    | 6          | 10        | 0          | 0        | 0         | 0         | 0        | 0        | 0            | 10  | 0     | <del>0 0</del> | 00   |
|                            | AI   | 92.        |       | 4    | 4    | 96   | -     | 8   | 98.  | 6  |       | 0   |      |      | 0     | 0    | ·      | 0    | 0          | 0         | 0          | 0        | .0010.    | 0         | 0        | ċ        | 0            | .0  | 0     | 00             | 00   |
|                            | AI.  | 0          | 0     | 0    | 0    | 0    | 0     | 0   | 6    | 66 | 100   | 100 | 100  | 100  | 100   | 100  | 100    | 100  | .0100      | 100       | .0100.     | 100      | 10        | 100       | 001      | 6        | 100          | 100 |       | 100            | 100  |
|                            |      | 6          | 2     | .2   | 7    |      | 4     |     | . 7  | 4. | 0     | 0   | 0    | 0    | 0     | 0    | 0      | 0    | 0          | 0         | 0          | 0        | 0         | 0         | •        | 0        | •            | 0.  | •     | 00             | 00   |
|                            | AI   | 92         | 36    | 56   | 46   | 96   | 16    | 96  | 86   | 66 | 00    | 00  | 000  | 00   | 00    | 00   | 00     | 00   |            | 00        |            | 0        | 0         |           |          |          | 0            |     | 0     | 00             | 00   |
|                            |      |            |       |      | N    |      | 3     |     | -    | 3  | 010   | 010 | 7    | 6    | 010   | 010  | 010    | 010  | 010        | 010       | 010        | 010      | 7         | 010       | 010      | 010      |              | 0   | 9     | 00             | 010  |
|                            | •    | 2          |       |      | 94.  | 9    |       | •   |      | 66 | 0000  |     | •    |      |       |      |        |      |            | 0         | -          |          |           |           | •        | •        |              |     |       | •              |      |
|                            | ΑI   | 6          | 0     | 9    | Š    | ŏ    | 0     | 0   | 6    | ŏ  | ŏ     | 100 | 7100 | 100  | 001   | 100  | 100    | 100  | 7100       | 100       | 7100.      | 100.     | 7100.0    | 100.0     | 100.0    | 100.0    | 100.0        | 100 | 100.0 | 100            | 000  |
|                            |      | u          |       | 0    | 0    | ~    | -     | *   | 4    | -  |       |     |      | -    | F     | -    | -      |      | F          | F         | F          | -        | -         |           | -        | -        |              |     |       |                | 22   |
|                            | 2    | 2          | •     | 10   | 0    | 5    | 76    | -   | 77.  | 8  | 78.   | 00  | œ    | B    | 18    | 8    | 78     | 8    | 78.        | .0        | 8          | 8/       | 78.       | 8         |          | 0        | . 9          | 8   | 0     | 78.7           | 78   |
|                            | AI.  |            | _     |      | _    |      | _     |     | -    |    | _     |     | _    |      | -     |      |        |      | -          |           | -          |          | -         |           |          | _ '      |              |     |       |                | -    |
| 0                          |      | S          | 2     | 9    | 2    | 0    | 9     | 0   |      |    |       | 0   |      | 0    |       | 0    |        | 0    | 0          | 0         |            | 0        |           |           |          |          |              |     |       | 00             |      |
| CEILING                    |      | NO CEILING | 20000 | 1800 | 9009 | 1400 | 12000 | 8   | 9000 | 90 | 700   | 8   | 900  | 450  | 9     | 350  | 300    | 250  | 2000       | 180       | 1500       | 120      | 1000      | 8         | 2        | 8        | 8            | 90  | 4     | 88             | 8.   |
|                            | =    | Q          | AI    | 1    | IAI  | A    | A     |     | AI   |    | IAI   | A   | M    | 1    | IAI   | 1    | 1 11   | 1    | A          | AI        | AI         | A        | M         | AI        | AI       | Al       | AI           | Al  | AI    | ALAI           | ALAL |
|                            |      | 12         |       |      |      | 1    |       | 1   |      |    |       |     |      | 1    |       | 1    |        | 1    |            | 1         |            |          |           |           |          |          |              |     |       |                |      |

0

0

TOTAL NUMBER OF OBSERVATIONS

155

1101

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

STATION NAME

73-77

YEARS

1 1 8 1) SE MONTH 08

200

מכז

|            |       |            |       | PERCE  | PERCENTAGE FREQUENCY (FROM HOURLY OBS   | E FREQUE | QUENC<br>RLY O |                            | ATION     | OF OCCURRENCE ERVATIONS) | w                                       |         |      |        | 0 B 0   |       |
|------------|-------|------------|-------|--------|---|----------|----------------|----------------------------|-----------|--------------------------|---|---------|------|--------|---------|-------|
| CEILING    |       |            |       |        |   |          | >              | VISIBILITY (STATUTE MILES) | TATUTE MI | LES)                     |   |         |      |        |         |       |
|            | 0 1   | 9<br>Al    | S)    | ۸I     | N AI                                    | 1 2%     | N N            | YI<br>%1                   | ¥1 Y      | <u>۱</u>                 | %<br>Al                                 | *       | Z AI | ≥ 5/16 | NI NI   | 0 11  |
| NO CEILING | 89.0  | 89.7       |       | 89.    | 89.                                     | 89.      | .68            | 1 89.                      | 89.7      | 1068                     | 89.7                                    | 89.7    | 89.7 | 89.7   | 89.7    | 89.7  |
| ≥ 20000    | 90.3  | 91.0       |       | 91.0   | 0.16                                    | 91.      | 916            | 91.0                       | 91.0      | 91.0                     | 91.0                                    | 91.0    | 91.0 | 91.0   | 91.0    | 91.0  |
|            | 800   | 91.0       |       | 91.0   | 91.0                                    | 91.      | 910            | 0.16                       | 91.0      | 91.0                     | 91.0                                    | 91.0    | 91.0 | 0.16   | 91.0    | 0116  |
| N 16000    |       | 91.0       |       | 91.0   | 91.0                                    | 91.      | 0 91.          | 91.0                       | 91.0      | 91.0                     | 91.0                                    | 91.0    | 91.0 | 91.0   | 016     | 016   |
| N 14000    | 92.3  | 65.6       | 95.9  | 92.9   | 65.                                     | 92.      | .76            | 92.5                       | 65.6      | 92.9                     | 6.26                                    | 6.26    | 65.6 | 65.6   | 65.6    | 95.9  |
| ≥ 12000    | 93.6  | 34.5       |       | 94.5   | 34.5                                    | 96       | 6 940          | 3 94.5                     | 94.5      | 94.2                     | 94.2                                    | 2006    | 94.2 | 94.2   | 2006    | 34.5  |
| 2 10000    | 1.96  | 96.8       |       | 96.8   | 1 96.8                                  | .96      | 8.96           |                            | 8.96      | 8 9 9 6                  | 8.96                                    | 8.96    | 96.8 | 8.96   | 8.96    | 8.96  |
| 0006 ~     | 96.1  | 96.8       |       | 96.8   | 96.8                                    | 96.      | 3 96.8         | 3 96.                      | 900       | 96.8                     | 96.8                                    | 96.8    | 90.8 | 96.8   | 96.8    | 8.96  |
|            | 96.8  | 95.4       | 97.4  | 97.4   | 97.                                     | 97.      | 97.            | 4 97.4                     | 97.4      | 97.4                     | 4016                                    | 41.4    | 4016 | 97.4   | 4016    | 97.4  |
| 141        | 96.8  | 97.4       |       | 97.4   | 97.4                                    | 97.      | 1 97.          | . 97.4                     | 97.4      | 97.4                     | 97.4                                    | 97.4    | 97.4 | 97.4   | 97.4    | 97.4  |
| 1          | 40.4  | 98.1       |       | 98.1   | 1.86                                    | 98       | 86             | 98.                        | 98.       | 98.1                     | 1.86                                    | 1 . 86  | 1.86 | 98.1   | 1.86    | 98.1  |
| 8 8        | 98.1  | 7.86       | 98.7  | 98.7   | 7 98.7                                  | 98       | . 86           | 1 98.                      | 1 98.7    | 98.7                     | 98.7                                    | 98.7    | 98.7 | 98.7   | 98.7    | 48.7  |
|            | 98.1  | 98.7       | 98.7  | 98.    | 98.1                                    | 88       | .86            | 7 98.                      | 98.7      | 98.7                     | 98.7                                    | 186     | 48.7 | 98.7   | 48.7    | 98.7  |
| 8          | 98.1  | 1.86       | 98.7  | 98.7   | 1 98.7                                  | 1 98     | 1 98.          | 7 98.                      | 1 98.7    | 98.7                     | 98.7                                    | 98.7    | 98.7 | 98.7   | 98.7    | 98.7  |
| 1          | 1.86  | 98.7       | 98.7  | 98.    | 1 98.7                                  | 98.      | . 86           | 1 98.                      | 98.7      | 98.7                     | 98.7                                    | 98.7    | 98.7 | 98.7   | 48.7    | 7.86  |
| 3000       | 98.1  | 98.7       | 98.7  | 98.7   | 1 98.7                                  | . 86     | 1 98.          | _                          | 1 98.7    |                          | 98.7                                    | 98.7    | 98.7 | 98.7   | 98.7    | 1.86  |
|            | 1.86  | 40.66      | 4.66  | 99.4   | . 99.4                                  |          | .66            | 7.66                       | 1 99.4    |                          | 4.66                                    | 4666    |      | 4066   | 7.66    | 4.66  |
| 7 2000     | 99.41 | 4100.0100  | 100.0 | 100.0  | .0100.0100.0010                         |          | 0100           | 0100.010.010               |           |                          | 000000000000000000000000000000000000000 | 100.00  |      | 0      | 100.001 |       |
| V 1800     | 40.66 | 0000       |       | .00    | 0100.0010                               | 100      |                | 0.0010.001                 | 0.0010    | 100                      | 0.0010                                  | 0.001   | 00   | 0      |         |       |
|            |       | 0000       | 0     | 100    | 0100                                    |          |                | 100.0100.001               | _         | 100                      | 0100.0010                               | 100.0   | 8    |        |         |       |
| 7 1300     | 40.6  | 00001      | 0     | 100    | 0100.0010                               | 00       |                | 00.0100.00                 | -         | 001                      | 0100 0100                               | 0.001   | 00   | 0.0010 |         |       |
|            |       | 0001       | 5     | 0001   | 0.0010                                  | 00       | 0010           | 00.0010.001                | 00        | 100                      | 0100-0100-0                             | 0001    | 20   | 0.0010 |         | 000   |
| 88         | 700   | 0010001001 | 0     |        | 0100.0100                               | 0010     | 0010           | 00.0100.00                 | 0 0       | 000                      | 0100.0100                               | 000     | 3 6  | 0000   | 000     | 0001  |
|            |       | 000        |       |        | 001000000000000000000000000000000000000 |          | 000            |                            |           |                          | 000000000000000000000000000000000000000 | 0       |      |        |         |       |
| 8 8        |       | 100.0100   |       | 0100   | 0100000                                 | 100      | 000            | 100000                     | 00        |                          | 0100.0100                               | 100.001 | 00   |        | 0       | 000   |
|            | 90.66 | 000        |       | 100    | 0100.0100.0100.0                        | 100      | 0100           | 100 0100 0100              | 00        |                          | 100.0                                   | 100.00  | 00   | 0.0010 | 0.0010  | 0.00  |
| 88         | 99.4  | 4100.0100  |       | 0100.0 | 100.0100                                | 100      | 0100           | 100.0100                   |           | 100.0                    | 0100.0010                               | 100,001 | 00   |        | 0000    | 00.00 |
| 88         | 9.66  | 4100.0100  |       | 0100.0 | 100.0100                                | 0100     | 1000           | 100.0100.0                 | _         | 000                      | 0100.0100                               | 00      | 000  | 0100.0 | 00.00   | 000   |
|            |       | 4100.0     |       | 100.0  | 100.0                                   | 100      | 100            | 00.01000                   | 00        | 001                      | 0.001                                   |         |      | 0.0010 | 0       | 0.00  |
| ٥ ٨١       | 99.41 | 9          | 100.0 | 100.0  | 100.0                                   | 100      | 0100-010       | 100.0                      | 100.0     | 0100.0                   | 0.001                                   | 100.0   | 0000 | 100.0  | 00.00   | 00.00 |

TOTAL NUMBER OF OBSERVATIONS

155

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98.1

CEILING VERSUS VISIBILITY

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

8

50 MONTH TS TI SUNO

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

AI 0.16

7

AI

2 2%

M Al

4

N Al

۸۱ 91.0

\* 91.0 93.6

93.6 93.6

> 8.76 95.5 97.4

95.5 4.16

95.5

95.5

95.5

95.5

94.0

2.46

94.2

Y 1 400

4.16 4.16

96.8 96,8 97.4

0.96 8.96

1.96

1.96

96.1

1.96

900

AI AI

94.8

3.46

93.6

93.6 93.6

93.6 93.6

93.6

93.6

93.6

92.9

92.9

6.06

89.7

NO CEILING

(FEET)

2 20000

93.6 93.6 8.46

92.9

65.6

6.26

92.3

6.76 92.3

VI VI 00081 00081

0.16

93.6

93.6

93.6

93.6

016

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× 11

2 5/16

2

8 . 76 95.5 93.6 98.1 4.16 98.1 1.86 98.1

4.16

4.76

4.76 4.16 95.5 4.16 97.4 4.66 98.1

1.86 98.1 4.66 1.86

> 4.66 1.86

4.66

4.66

4.66

4.66

4.66

4.66

98.7 98.7

4.66 4.66

.86

98.

1.96 98.7

4500

AI AI

98

4.66

98.7

98.7

2000

AI AI

98.7

98.7 98.

3000

AI AI

98

4.66

98

1.86

98.7

98.7

1500

AI AI

98.

4.66

98.7

.86

120 100 100

AI AI

98.

98.

98.7

88

ALAI

4.66

98.

98.

7.86

98.7

88

ALAI

4.66

98.7

88

AI AI

96

98.7

88

ALA

98.1 98.1

1.86

98.1

98.1

40.16

96.8

96.8

98.1

98.1

9000

98.1 98.1

98.1

97.4

96.8

96.8

7000

AI AI

96.8

1.86

98.1

98.1

98.1 1.86

98.1

98.1

98.1

4.16

97.4 1.86 98.1

4.76

4.16

4.10

4.66 4066 4.66 5.66 5.66 5.66 5.66 5.66 5.66 5.66 4.66

99.4 000

9886

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET

4.66

98.

80

AI AI

98.7 98.7

98.7

98.7 98.7 98.7 98.7

4.16

4.10

4.16

97.4

4.16

4.16

97.4

8.96

8.96

96.8 96.8 97.4

8.96 96.8

8.96 96.8

8.96

8.96

96.8 8.96

96.8

8006 96.8

96.8 96.8 96.8

# **CEILING VERSUS VISIBILITY**

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME YUMA, ARIZONA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T.)

OCT MONTH 4

VISIBILITY (STATUTE MILES)

95.5 \* 94.8 94.8 95.5 % AI 8.76 95.5 8 . 76 8.46 94.8 71 8.46 8.46 94.8 7 1 2%

ص ۱۸

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94.2 34.2

8 . 46

8 . 46 94.8 95.5 1.96

8.46

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Z Al

2 5/16

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95.5

96

94.8

8 . 56

95.5 1.96

95.5 1006 96.8

8.96

8.96

90.96

8.96 1006

96.8

96.8 1096

1.96

96.

95.5 9006 96.8 1.96 95.5 96.8 96.1 95.5 96.8 1.06

96.8 96.8 96.8 8.96 94.8 95.5 96.8 96.8 196 8.46 8.96

96.1

95.5

95.5

000 000 000

AI AI

AI AI

2000

ALA

95.5

95.5 1.96

8.96 95.5

V 1 V

94.8

0.46

93.6 2.96 94.8 95.9

VI VI 0009 0009

NO CEILING

V 2000

(FEET)

98.7 98.7 98.7 98.7 98.7 97.4 97.4 96.8 96.8 97.4 97.4 8096 95.5 9006 1.96

96.8 8.96 1.96 96.1 96.8 98.1

4.66 1.96 8.96 96.1 98. 95.5 95.5 96.1

4.66 98.7 98 96 96.1

4.66 98. 98. 4.16 98. 98.7 98. 7.86 98.

9 9 9

AI AI

11 11

0

4.66 98. 98. 98. 98.7 186 98.7 98. 3000

AI AI

4.66 98. 98.1

98.1

AI AI

98.7

88

ALA

40.66 98.7 1.86 98.7

98.7 98. 88

ALAI

88

AI AI

88

AI AI

AI A

98.7 80

4.66 98.7

155

200

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17 HOURS (1.5.7.) TOCT

I

|                            | ٨١   | 88 4    | 6 93    | 6 93  | 6 93  | 2 94  | 2 94  | 2 94. | 1 96 | 1 98 | 1 98 | 0100 | -    | 0100 | -    | -    |     |     | -    | 0100  | 0100 | 0100 | 0100 | 0100  | 0100 | 0100 | 0100 | 0100 | 0010 | 0100 | 00100 | 0100       |
|----------------------------|------|---------|---------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|-----|-----|------|-------|------|------|------|-------|------|------|------|------|------|------|-------|------------|
|                            | AI N | 4 68.   | 6 93.   | 6 93. | 6 93. | . 94. | 2 94. | 2 94. | 96   | 86   | 98   | 0010 | 0010 | 0010 | -    | 0010 |     |     |      | 10010 | 100. | 100  | 0100 | 10010 | 100  | 0100 | 100  | 1000 | 0100 | 100  | 100   | 100        |
|                            | 5/16 |         | •       | •     | •     |       |       |       |      | •    | •    | •    |      |      |      |      | -   |     |      |       | •    | •    |      | •     | •    |      | -    | •    |      | •    | -     | •          |
|                            | VI S |         | 6       |       | 66    | 94    | 34    | 96    | 96   | 98   | 36   | 010  | 100  | 0100 | -    |      |     | 100 | 100  | 100   | 100  | 100  | 100  | 100   | 100  | 100  | 100  | 001  | 100  | 100  | 100   | 100        |
|                            | 2    |         |         | 9.    |       |       | .2    |       | :    | -    | :    | 0    |      |      |      | 0    |     |     | 0    |       |      | 0    |      |       |      | 0    | 0    | 0    |      |      |       | 00         |
|                            | AI   | 88      | 66      | 93    | 66    | 16    | 96    | 40    | 96   | 86   | 96   | 100  | 100  | 001  | -    | 100  |     | 100 | 100  | 100   | 100  | 100  | 200  | 001   | 100  | 100  | 100  | 100  | 001  | 100  | 001   | 100<br>100 |
|                            | *    | 1       | 9       | 9.    | 0     | .2    | 2     | 2:    | -    | 7    | -    | 0    | 0    | 0    | 0    | 0    | 0   | 0   | 0    | 0     | 0    | 0    | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 00         |
|                            | AI   | 88      | 63      | 33    | 33    | 34    | 46    | 34    | 0    | 86   | 86   | 8    | 00   | 00   | 8    | 100  | 100 | 00  | 8    | 100   | 00   | 00   | 8    | 100   | 00   | 100  | 8    | 100  | 8    | 0    | 8     | 000        |
|                            |      | 4       | 0       | -     | •     | 2     | ~     | 2     | _    |      | _    | Ĕ    | 픙    | 5    | -    | 10   | 5   | 10  | 픙    | H     | 픚    | 50   | ö    | 20    | 픚    | H    | 픚    | Ĕ    | 픚    | Ĕ    | 픚     | 23         |
|                            | *    | Ŀ       | •       | -     |       |       |       |       | -    |      | 3    |      |      |      |      |      |     |     | :    |       | :    |      |      |       | •    |      |      | •    |      |      | •     | •          |
|                            | AI   | 88      | 6       | 6     | 6     | 6     | 94    | 76    | 96   | 86   | 96   | 001  | 100  | 100  | 100  | 00   | 100 | 100 | 001  | 100   | 100  | 100  | 100  | 00    | 00   | 100  | 100  | 100  | 001  | 00   | 001   | 000        |
|                            |      | 4       | 0       | 0     | 0     | ~     | N     | 2     | -    | -    | -    | 0    | 3    | 0    |      | 0    | 0   | 0   | 0    | 0     | 3    | 0    | 6    | 0     | 0    | 0    | 3    | 6    | 0    | 6    | 8     | 00         |
|                            | AI   | 8       | -       | 3     |       | 4     | *     |       | 0    | œ    | 8    | 0    |      | 0    | 00   | 0    | 00  | 0   | 0    | 0     | 00   | 0    | 0    | 0     | 00   | 0    | 00   | 0    | 00   | 0    | ò     | 00         |
| ES                         |      | 80      | 0       | 6     | 0     | 0     | 9     | 0     | 0    | 0    | 0    | 2    | 20   | 10   | -    | _    | -   | 01  | -    | 10    | 20   | 20   | 2    | 10    | 10   | 100  | 10   | 100  | 10   | 10   | 10    | 10         |
| 1                          | 7.   | 3.      | •       | 9     |       | .2    | 2     | 2.    | 7.   | 7.   | 7.   | 0    | 0    | 0    |      |      | 0   | 0   | 0    | 0     | 0    | 0    | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 00         |
| 5                          | AI   | 88      | 66      | 3     | 0     | 34    | 16    |       | 96   | 96   | 86   | 00   | 00   | 00   | 00   | 00   | 00  | 00  | 00   | 00    | 00   | 00   | 00   | 00    | 0    | 00   | 0    | 0    | 8    | 00   | 00    | 00         |
| IA                         |      | _       |         | -     | -     | -     |       | 0     |      | -    |      | -    | -    | -    | -    | -    | -   | -   | -    | =     | =    | H    | -    | =     | 긎    | =    | =    | H    | 글    | H    | Z     | 2          |
| × (S                       | 7.   | 4.      | •       | 9.    |       |       |       |       | -    | -    | -    | 0    | 0.   | 0.   |      | 0    |     | 0   | 0    |       |      | 0    | 0    |       |      |      |      | 0    |      | 0.   |       | •          |
| 1                          | AI   | 88      | 6       | 63    | 6     | 36    | 96    | 76    | 96   | 96   | 86   | 00   | 00   | 00   | 001  | 00   | 8   | 00  | 00   | 00    | 00   | 00   | 00   | 00    | 00   | 100  | 8    | 00   | 8    | 00   | 9     | 200        |
| VISIBILITY (STATUTE MILES) | -    | 3       | 0       | 9     | 0     | 2     | N     | 2     | -    | -    | -    | 6    | -    | 3    | 3    |      | -   | 3   | 6    | -     | 10   | 3    | 70   | 3     | 3    | 3    | 10   | 3    | 3    | 0    | 0     | 35         |
| 1                          | ~    |         | 3       | 3.    | 3     |       |       | 4.    |      | . 8  |      | 0    | 0    |      |      |      |     |     |      |       | 0    | 0    | •    | 0     | •    |      |      | 0    | 0    | 0    |       | 0          |
|                            | AI   | 00      | 6       | C     | 0     | 0.    | 0     | O.    |      | 0    | 9    | 100  | 0    | 00   | 100  | 100  | 100 | 0   |      | 0     | 10   | 0    | 10   | 0     | 10   | 0    | C    | 001  | 10   | 000  | 0     | 0 0        |
|                            |      | 1.      | 5       | 6     | 5     | 0     | 0     | 0     | 3    | 4    | 4    | 4    | 3    | 3    | 4    | 3    | 3   | \$  | 4    | *     | 4    | 3    | 4    | 3     | 3    | 3    | 4    | *    | 4    |      | 4     | 3 4        |
|                            | 2 2% | 87      | 26      | 2     | 2     | 33    | 33    | 10    | 3    | -    | 1    | 6    | 39   | 6    | 6    | 6    | 6   | 6   | 6    | 6     | 6    | 6    | 0    | 6     | 2    | 0    | 6    | 5    | 6    | 6    | 6     | 0 6        |
|                            |      |         | 0       | -     | 0     | 9     | 0     | 9     | 5    |      | •    |      |      | -    |      |      | -   |     |      |       | •    |      |      | -     | -    | -    | ~    |      |      | -    |       | 3.5        |
|                            |      |         | •       |       |       |       | 3     |       |      |      | •    | •    | :    |      |      |      |     |     | :    |       | :    |      |      |       | :    |      | •    |      |      |      | :     |            |
|                            | AI   | 8       | 92      | 62    | 6     | 6     | 6     | 63    | 9    | 6    | 97   | 66   | 66   | 66   | 66   | 66   | 66  | 66  | 66   | 66    | 66   | 66   | 66   | 56    | 66   | 66   | 66   | 66   | 66   | 66   | 66    | 66         |
|                            |      | -       |         |       |       | 6.    | 6.    | 6.    | 100  | 80   | 00   |      | . 7  | 1.   |      | 1.   | 1.  | 1.  |      | 1.    | .7   |      |      |       | . 7  |      |      | 1.   | . 1  | 1.   | . 7   | .,         |
|                            | AI   | 87      | 26      | 35    | 85    | 26    | 6     | 35    | 76   | 96   | 96   | 86   | 86   | 86   | 86   | 86   | 86  | 86  | 86   | 86    | 86   | 86   | 86   | 86    | 86   | 86   | 86   | 8    | 6    | 86   | 86    | 98         |
|                            |      | -       | m       | 0     | 7     | 0     | 0     | 0     | 30   | 0    | 00   | -    | -    | -    | -    | -    | -   | -   | -    | -     | -    | -    | -    |       | -    |      | ~    |      | -    | -    | -     |            |
|                            |      |         |         | 2     | ~     |       | ~     | 2     |      | :    | ;    |      |      |      |      |      |     |     |      |       |      | -    |      |       |      |      |      | -    |      |      |       |            |
|                            | AI   |         | 6       | 6     | 6     | 6     | 6     | 6     | 6    | 6    | 6    | 6    | 6    | 6    | 86   | 6    | 36  | 86  | 36   | õ     | 36   | 6    | 96   | 6     | 6    | 6    | 86   | 6    | 96   |      | 96    | 36         |
|                            |      |         |         |       |       |       |       | 6.    |      | -    |      | -    |      | 7.   | -1   | 7.   |     | 7.  | -1   | 7.    | 7    | 7    | -    | 7     | -    | 7.   | -    | -    | -    |      | 7     |            |
|                            | AI   | 81      | 85      | 36    | 35    | 36    | 92    | 26    | 36   | 96   | 96   | 98   | 86   | 86   | 86   | 98   | 86  | 86  | 86   | 86    | 86   | 86   | 86   | 98    | 86   | 86   | 6    | 86   | 6    | 98   | 86    | 86         |
|                            | -    | 1       | ~       | m     | 7     | -     | -     | 0     | 30   | -    | -    | -    | ~    | -    |      | _    | -   | -   | -    | -     | _    | -    | _    | -     | -    | -    | -    | -    | _    | -    | _     | -          |
|                            | 2    |         |         |       |       |       |       | :     | :    |      | :    |      | -    |      |      |      |     |     |      |       |      |      |      |       |      |      |      |      |      |      |       | 98.        |
|                            | AI   | 0       | 6       | 6     | 6     | 6     | 6     | 6     | 6    | 6    | 36   | 6    | 6    | 6    | õ    | 6    | 6   | 6   | 6    | 6     | õ    | 6    | 6    | 9     | 6    | 6    | 6    | 5    | 6    | 6    | 6     | 36         |
| 9                          | -    | CEILING | 8       | 8     | 8     | 8     | 8     | 8     | 8    | 8    | 8    | 8    | 8    | 8    | 88   | 8    | 38  | 8   | 88   | 8     | 8    | 8    | 8    | 8     | 8    | 8    | 8    | 8    | 8    | 8    | 200   | 80         |
| CEILING                    | =    | 100     | ₹ 20000 | 180   | 909   |       | 2000  | 90    | 8    | 1    | 9    | 3    | 2000 | 7    | 8    | 36   | 88  | 25  | 200  | 18    | 1500 | 12   | 8    | 8     | •    | 1    | 3    | -    | 4    | 5    | Ä     | -          |
| 5                          |      | 9       | A)      | ^     | IAI   | ^     | IVI   | A     | A    | ^    | IAI  | ^    | IAI  | ^    | 1 11 | ^    | IAI | ^   | I AI | ٨     | IAI  | ^    | IAI  | A     | A    | A    | IAI  | ^    | IAI  | A    | A     | AIA        |
|                            |      | _       | _       | _     | _     | _     |       | _     | -    | _    |      | _    |      | _    | _    | _    |     | _   |      | _     |      | _    | -    |       |      | _    |      |      |      | _    |       |            |

TOTAL NUMBER OF OBSERVATIONS

155

8000

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

HOURS (L S T )

MONTH 20

≥ 5/16 65.6 Z.

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7

17

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M Al

4

1

2

(FEET)

VISIBILITY (STATUTE MILES)

٨١

6.26 93.6 94.2

6.26

6.26

92.9 92.9

6.26

6.26

6.26

6.26

65.6

95.9

6.26

91.6

72.3

≥ 20000

NO CEILING

93.6 94.2

72.9 92.3 93.6

18000

488

98.1 2.46 95.5 1.86 93.6 93.6 93.6

95.5 2006

95.5

95.5 94.2

95.5

95.5

95.5 94.2

95.5

95.5

95.5

95.5 98.1

94.2

7.4 76.8 4.1

94.2 93.6

94.2

34.5

93.6 93.6

93.6

2.46

98.1 98.1 98.7 98.7

98.1

1.86

98.1

98.1 98.7 98.7

98.1

98.1

98.1

96.8

98.7

1.86 84.2 95.5 98.7 95.5 98.7

98.1

95.5

4.66 1.86

98.7

98.7 7.66 7.66

4.66

4.66

7.66

4.66

4.66

98.7

98.7 7.66 7.66

98.7

97.4 98.7 97.4 98.7

000 000 000

ALA

98.1

8.1

78.7 18.7 78.7

2000

ALAI

9000

ALAI

78.7

4500 400 400

AI AI

18.

78.7 18.7

3000

AI AI

98.

186

98.7 98.

98.7 98.7 98.7 98.7

98.7

18.7

78.7 78.7

ALAI

78.7

88

ALAI

78.7

19.1

78.7

88

ALAI

78.7

88

AI AI

78.7

1800

AI AI

78.7

78.7

2500

ALAL

0000

0000

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

78.7

80

AI AI

78.7 18.

88

ALAI

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARILONA

23195

.

73-77

23 HOURS (L.S.T.)

2

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| (FEET)  | 9    | *      | *     | *     |       | 7 2%   | × ×     | VISIBILITY (STATUTE MILES) | ATUTE MILI | § 7     | × A   | k<br>A | 3      | 41.3   | 2     | ^   |
|---------|------|--------|-------|-------|-------|--------|---------|----------------------------|------------|---------|-------|--------|--------|--------|-------|-----|
|         |      |        |       |       |       |        |         | . 40                       |            |         |       |        |        | 2 7 2  |       | '   |
| CEILING |      |        |       |       | 0.70  |        | 7.60    | 7                          | 70.40      | 700     | 700   | 7      | 70     | 70.    | 704   |     |
| 3007    | :    | 73.0   |       | 13.3  | 100   |        | .0      | 1006                       | 100        | 100     | 100%  | 7      | 100    | 100    | 1001  | 2   |
| 18000   |      | 73.0   | 10.0  | 12.3  | 1.06  | .0.    | 1.96    | 1006                       | 100        | 100     | 1.06  | 100    | 1006   | 1006   | 100   | 2   |
| 16000   | 74.8 | 93.6   | 95.5  | 95.5  | 90.1  | 96.1   | 1.96    | 1.96                       | 96.1       | 96.1    | 1.96  | 1 96   | 96.1   | 96.1   | 96.1  | 96  |
| 14000   | 75.5 | 3 . 76 | 96.8  | 96.8  | 97.4  | 97.4   | 97.4    | 4.76                       | 97.4       | 97.4    | 97.4  | 97.4   | 97.4   | 97.4   | 97.4  | 27  |
| 12000   | 76.1 | 96.1   | 98.1  | 98.1  | 98.7  | 98.7   | 98.7    | 98.7                       | 98.7       | 98.7    | 98.7  | 98.7   | 98.7   | 98.7   | 98.7  | 98  |
| 10000   | 76.1 | 96.1   | 98.1  | 98.1  | 98.7  | 98.    | 98.7    | 98.7                       | 98.7       | 98.7    | 98.7  | 7.86   | 1.86   | 98.7   | 98.7  | 98  |
| 8       | 76.1 | 96.1   | 98.1  | 98.1  | 98.7  | 98.7   | 98.7    | 98.7                       | 98.7       | 98.7    | 98.7  | 98.7   | 98.7   | 98.7   | 98.7  | 96  |
| 9000    | 76.1 | 96.1   | 1.86  | 98.1  | 98.7  | 98.7   | 98.7    | 98.7                       | 7.86       | 98.7    | 98.7  | 98.7   | 98.7   | 98.7   | 7.86  | 86  |
| 200     | 76.8 | 96.8   | 7.86  | 98.7  | 99.4  | 4.66   | 99.4    | 4.66                       | 4.66       | 4.66    | 4.66  | 4.66   | 4.66   | 4.66   | 4.66  | 66  |
| 4000    |      |        | 786   | 98.7  | 90.6  | 906    | 7.66    | 4.66                       | 7.66       | 7.66    | 4.66  | 4.66   | 4.66   | 49.66  | 7.66  | 66  |
| 200     | 76.8 | 97.4   | 4.66  | 4.66  | 100.0 | 100.0  | 10000   | _                          | 100.0      | 100.0   | 100.0 | 100.00 | 100.00 | 10001  | 100.0 | 100 |
| 7500    |      | 97.4   | \$ 66 | 4.66  | 100.0 | 100.0  | 10000   | 001                        | 00         | 00      | -     | 100.0  | 100.0  |        | 00.00 | -   |
| 4 4 4   |      | 97.4   | 4.66  | 4.66  |       | _      | 100.0   | 8                          | 00         | 0.001   | -     | 00     |        |        |       |     |
| 2000    |      | 97.6   | 39.4  | \$ 66 | 100.0 | 100.0  | 10000   | 0100                       | 00         | 0000    | 00    | 00     |        | 100.0  |       | 00  |
| 3000    | 76.8 |        | 4.66  | 4.66  |       | 0100.0 | 00      | 0                          | 00         | 00      | 00.00 | 00     | -      |        | 0000  | 00  |
| 2000    |      |        | 4.66  | 4.66  | 100.0 |        |         | 00                         |            | 44.     | 0000  | 00     | -      |        |       | 00  |
| 2000    |      | 97.4   | 4.66  | 4.66  | 100.0 | 100.0  | 100.0   | 100                        | 100        |         | -     |        | 100.0  | 100    | 0000  | 00  |
| 1800    |      |        | 4.66  | 4.66  | 100.0 | 100.0  | 1000    | 100                        | 100        | 00      |       |        | 100.0  | 100.0  | 0.00  | 00  |
| 200     | 76.8 | 97.4   | 4.66  | 4.66  | 100.0 | 100.0  | 100.0   | 100                        |            |         | 100   | 100.0  | -      |        |       | 00  |
| 1200    |      | 97.4   | 4.66  | 4.66  | 100.0 | 100.0  | 100.0   | 100                        | 00         | 0.0010  | -     | 100.0  | 100.0  | 100.0  | 0.001 | 001 |
| 90      | 76.8 | 97.4   | 4.66  | 4.66  | 100.0 | 100.0  | 100.001 | 100.001                    | 00         | 10000   | 100.0 | 100.0  | 100.0  | 100.0  | 100.0 | 100 |
| 900     | 16.6 | 97.4   | 40.66 | 99.4  | 100.0 | 100.0  | 100.0   | 00                         | 100.001    | 100.0   | 100.0 | 100.0  | 100.0  | 100.0  | 0.00  | 80  |
| 8       |      | 97.4   | 4.66  | 4.66  | 100.0 | 100.0  | 100.0   |                            | 00         | 100.00  | 100.0 | 100.0  | 100.0  | 100.01 | 0.001 | 001 |
| 200     | 10.8 | 97.4   | 4.66  | \$ 66 | 100.0 | 100.0  | 100.0   | 001                        | 100.001    | 100.0   | 100.0 | 100.0  | 0.001  | 100.0  | 0.001 | 001 |
| 8       | 76.8 | 97.4   | 4.66  | 4.66  | 100.0 | 100.0  | 100.0   | 100.001                    | 100        | 100001  | 0.001 | 100.0  | 100.0  | 100.0  | 0.001 | 001 |
| 9       | 16.8 | 97.4   | 4.66  | 4.00  | 100.0 | 100.0  | 100.0   | 100.0                      | 100.00     | 0.001   | 100.0 | 100.0  | 100.0  | 100.0  | 0000  | 001 |
| 8       | 76.8 |        | 4.66  | 4.66  | 100.0 | 100.0  | 100.0   | 100.001                    | 100.001    | 100.001 | 100.0 | 100.0  | 100.0  | 100.0  | 0.001 | 8   |
| 300     | 16.8 | 97.4   | 4.66  | 46.4  | 100.0 | 100.0  | 100.0   | 100.00                     | 0.001      | 100.0   | 100.0 | 100.0  | 100.0  | 100.0  | 0.001 | 001 |
| 30      | 76.8 |        | 4.66  | 4.66  | 100.0 | 100.0  | 100.0   | 100.001                    | 100.001    | 100.0   | 100.0 | 10000  | 100.0  | 100.0  | 0.001 | 901 |
| 8       | 16.8 | 40.46  | 4.66  | 7.66  | 100.0 | 100.0  | 100.0   | 100.00                     | 0          | 100.0   | 100.0 | 100.0  | 0.001  | 100.0  | 0.001 | 001 |
| 0       |      |        | 4.66  | 4.66  | 100.0 | 1000   | 10000   | 100.0                      | 100.001    | 100.0   | 100.0 | 100.0  | 100.0  | 100.0  | 0.001 | 100 |

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

YUMAS ARIZONA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (1 S.T.) UCT HONTH

=

|                            |         | -  | 0       | -   | 1    | -   | 100  | 9  | 00   | 4   | 00   | 3  | 8    | 0   | 20  | 00  | 00   | 6  | 0    | 0    | 0              | 0      | 0            | 0             | C             | 0     | 0           | 0    | 0      | 00         | 0   | 0     |
|----------------------------|---------|----|---------|-----|------|-----|------|----|------|-----|------|----|------|-----|-----|-----|------|----|------|------|----------------|--------|--------------|---------------|---------------|-------|-------------|------|--------|------------|-----|-------|
|                            | O<br>Al | :  | ;       | . 5 | ;    | 2   | 96   | -  | -    | 98. | 98.  | 6  | 6    | 66  |     | 66  | .66  | 6  | 00   | 00   | 00             | 0      | 00           | 0             | •             | 0     |             | 0    | •      | 000        | 3   | 000   |
|                            | ^'      | 6  | 0       | 0   | 94   | 0   | 0    | 6  | 0    | 6   | 0    | 66 | 66   | 0   | 66  | 0   | 0    | 66 | 10   |      | -              | 100    | 2            | 100           | 100           | 100   | 100         | 100  | 100    | 001        | 20  | 20    |
|                            |         | -  | 0       | -   | ~    | -   | 8    | 9  | 8    | 4   | 00   | 3  | 63   | 0   | 3   | 8   | 0    | 0  | 0    | 0    | 100.001        | 0      | 0            | 10.00         | 0             | 0     | 0           | 0    | 0      | 00         | > 0 | 0     |
|                            | VI VI   | H  |         | •   | . 56 | 2   | 96   | 16 | 97.  | 86  | 86   | 66 | 66   | 66  | 66  | 66  | 66   | 66 | 0.00 | 0    | ō              | 0.001  | 100.0        | ò             | 00001         | 100.0 | 100.0       | Ö    | 100.0  | 100        | 2 6 | 0     |
|                            |         | 6  | 0       | 6   | 6    | 5   | 3    | 0  | 0    | 6   | 0    | 0  | 0    | 0   | 0   | 6   | 0    | 0  | 2    |      |                | 01     |              |               |               |       |             | 0100 | 2      | 01         |     | 100   |
|                            | 9       | -  | 0       | 7   | 3    | -   | 00   | c  | 30   | 4   | 8    | 3  | 8    | 3   | 80  | 8   | 80   | 6  | 0    | 0    | 0              | 0      | 0            | 0             | 0100.0        | 0     | 0           | 0    | 0      | 0          | 0   | 0     |
|                            | 5/16    | -  | 4       | *   | *    | 3   | 9    | 16 | 24   | 86  | 98   | 66 | 66   | 66  | 66  | 66  | 66   | 66 | 00   | 0    | 0              | Ö      | 0            | 100.          | Ó             | 0     | Ó           | O    | Ö      | 0          |     | 00    |
|                            | Al      | 9  |         | 6   | 0    | 0   | 0    | 0  | 0    | 8   | 0    | 2  | 0    | 5   | 5   | 0   | 0    | 5  | 2    | 100  | 100            | 0100   |              | 10            | 2             | 0100  | 0100.0      | 100  | 0100.0 | 001        | :   | 32    |
|                            |         | 1  |         | 7.  | 3    |     | 8    | 9  | 8    | 4.  | 8    |    | 8    | 8   | 8   | 00  | 8    | 0  | 0    | 0    | 0              | 0      | 0            | 0             | 0             | 0     | •           | 0    | 0      | 0          |     | 0 6   |
|                            | 2 1     | -  | 3       | 5   | 4    | 5   | 0    | -  | -    | 2   | 30   | 2  | 2    | 0   | 66  | 2   | 6    | 66 | 8    | 00   | 00             | 100    | 100          | 00            | 8             | 00    | 00          | 00   | 8      | 000        | 3 6 | 80    |
|                            |         |    | 5       | -   | 5    | _   | 5    | 5  | •    | 5   | 0    | 5  | •    | _   | 5   |     |      |    | -    | 100  | -              | 3      | ¥,           | 2             | 10.0          |       | -           | -    | -      | -          |     | Bert. |
|                            | *       | -  | 0       | 1 . | 4    | -   |      | 9  | 8    | *   | 8    |    | 8    |     | 8   | . 3 | 8.66 | 6. | 0    | 0000 |                | 0      | 0            | 0.            | 0             | 0     |             | 0    | 10000  | 100.0      | 2   | 0     |
|                            | Al      | =  | 4       | 5   | 76   | 2   | 0    | 1  | 97   | 86  | 86   | 66 | 66   | 66  | 66  | 66  | 2    | 66 | 8    | 0    | 100            | 00     | 2            | 00            | 2             | 0     | 0           | 0    | 0      | 100        |     | 80    |
|                            |         | -  | 5       | 5   | 5    | 5   | 5    | 1  | 0.   | 5   | ٥.   | 5  | •    | 5   |     | -   | •    | 5  | ~    | -    | -              | =      | 0100         | 2             | =             | 0010  | Z.          | 0100 | 3      | 2          |     | 13    |
|                            | *       | 1: | 0       | 7   |      |     |      | 9. | 20   | 4.  | æ .  |    | 3    | 3   | 3   | 3   | 30   | 6. | 0    | 0    | 0              |        |              | 0             | •             | •     | •           | 9    | •      | 000        |     | 20    |
|                            | Al      | -  | 46      | 1   | 4    | 5   | 9    | 1  | 16   | 86  | 86   | 66 | 66   | .66 | 66  | 66  | 66   | 66 | 100  | 100  | 2              | 100    | 0            | 100           | 2             | 0     | 0           | 0    | 2      | 100        | 2 6 | 100   |
|                            |         |    |         |     | •    |     | •    | -  | ٠.   | _   | -    | -  |      |     |     |     |      |    | ă    | F.   | 0100           | ~      | =            | 7             | ă.            | 0010  | .0100.00100 | 0010 | 0100   | 7          |     |       |
|                            | _       | -  | 0       | . 1 |      |     |      | 9. |      | *   |      | .3 | . 8  | . 8 | 8   | 8   | . 8  | 6. | 0    |      |                | 0      | 100.0100.    | 0             | 100.0100.0100 | 0     | •           |      | 0      | 0 0        | 2 6 | 0     |
|                            | Al      | -  | 34      | 5   | 4    | 3   | 9    | 1  | 97   | 86  | 8    | 66 | 66   | 66  | 66  | 6   | 66   | 66 | 001  | 00   | 100            | 0100   | 0            | 100           | 0             | 100   | 100         | 100  | 100    | 100        | 3   | 000   |
| LES                        |         | 5  | 5       | 5   | 5    | 5   | 5    | 5  |      | 0   | 5    | -  |      |     |     |     |      | -  | _    | -    | ×              | 2      | <u> </u>     | 11            | <u> </u>      | ĭ     | <u> </u>    | ĭ    | ĭ      | <u>ن</u>   |     | 12    |
| 1                          | 7.      | -  | 0.      | 7.  | 4    |     | 8    | 9. | 8    | 4.  | 8    |    | . 3  |     |     | 8   |      | 6. | 0    | 0    | 0              | 0      | 0            | .0            | 0             | 0     | 0           | 0    | 0      | 00         | 2   | 00    |
| 72                         | Ā       | =  | *       | 5   | 4    | 2   | 96   | 1  | 16   | 86  | 86   | 6  | 66   | 66  | 66  | 66  | 66   | 66 | 00   | 00   | 2              | 00     | 100          | 100           | 100           | 100   | 100         | 100  | 100.   | 100        | 2 5 | 000   |
| IAT                        |         | _  | 0       | 5   | 5    | _   | 3.   | -  |      |     |      | -  |      | _   |     |     |      |    | =    | =    | <u>~</u>       | -      | =            | 110           |               | -     | =           |      |        | <b>=</b> : | •   | 4 -4  |
| S                          | 1%      | -  | 9       | -   |      |     |      |    | 8    | *   | 3    |    |      |     |     | 00  | . 3  | 6. | 0    | 0    | 0              | 00.00  | 0            | 0.            | 0             | 0     | •           |      | 0      | •          | •   | 00    |
| 5                          | AI.     | =  | 4       | *   | 4    | 3   | 96   | =  |      | 86  | 86   | 6  | 66   | 66  | 6   | 66  | 66   | 66 | 00   | 0    | 2              | 0      | 2            | 00            | 2             | 0     | 2           | 00   | 2      | 100        | 25  | 88    |
| VISIBILITY (STATUTE MILES) |         | Γ. | -       |     | -    |     | _    | _  |      | -   |      | -  |      | -   |     | -   |      | -  | 70   | 0100 | 100.0100.0100. | 7      | 100.0010.001 | 100.00100.001 | 100.0100.0    | 0010  | 0100.0      | ĭ    | 0100.0 | -          |     | 14    |
| >                          | ~       | -  | 0       | -   |      |     | 8.9  |    | 8    | 4   | 8    |    | 8    | 00  |     | •   | 8    | 6. | 9    | 0    | 3              | 100001 | 3            | •             | 3             | 3.    | 3           |      | •      | 3.         | 3 5 |       |
|                            | Al      | 6  | 94      | 76  | 94   | 5   | 9    | 16 | 26   | 36  | 3    | 66 | 66   | .66 | 66  | .66 | 66   | 66 | 100  | 100. | 00             | 00     | 00           | 00            | 0             | 100   | 100         | 00   | 0      | 00         | 3   | 000   |
|                            |         |    | ~       | (   | -    |     | _    | _  | _    | _   | _    |    | _    |     | 8   | 100 | 00   | 1  | 6    |      | 6              |        | 6            | 7             | -             | -     | 7           | =    | 6      | 7          | 3   |       |
|                            | 275     | -  | 0       | •   |      | •   |      |    | •    | •   | •    | •  | •    | •   |     |     |      |    | •    |      |                | •      |              |               | •             | •     |             |      |        | •          | •   | • •   |
|                            | AI      | 6  | 36      | 4   | 94   | 95  | 6    | 6  | 97   | 98  | 9    | 66 | 66   | 66  | 66  | 66  | 66   | 66 | 66   | 6    | 66             | 66     | 66           | 66            | 66            | 6     | 5           | 6    | 66     | 60         | 6   | 66    |
|                            |         | _  | 0       | 0   | N    | -   | ~    | -  | ~    | -   | ~    | ~  | -    | -   | 8   | 00  | 8    | 8  | •    |      | •              |        | •            |               | 0             | 0     | •           |      | •      | 20         | . 0 | 0     |
|                            | •       | •  | 0       | •   | :    | :   | :    | •  |      | •   |      |    | :    | :   |     |     |      | •  | :    |      |                | •      |              |               |               |       |             | •    |        | •          | 9   |       |
|                            | ΑI      | 6  | 0       | 6   | 6    | 6   | 6    | 6  | 6    | 98  | 0    | 66 | 66   | 66  | 66  | 66  | 66   | 66 | 66   | 66   | 66             | 66     | 66           |               | 66            |       | 6           | 66   | 66     | 50         | . 5 | 66    |
|                            |         | -  | 0       | -   | 0    | 200 | 3    | 2  | -3   | 0   | 4    | 0  | 4    | 3   | *   | 3   |      | 5  | •    | 0    | 0              | 0      | 0            | 0             | 0             | 0     | 0           | 0    | 0      | 0 4        | 2 6 | 0 0   |
|                            | •       |    |         |     |      |     |      |    | :    |     |      |    | 4.6  |     |     |     |      |    |      |      |                |        |              |               |               |       |             |      |        | •          | •   |       |
|                            | Al      | 5  | 0       | 0   | 6    | 0   | 6    | 6  | 0    | õ   | 6    | 6  | ŏ    | 6   | 66  | 0   | 66   | 66 | 66   | 6    | 66             | 5      | ŏ            | 6             | 66            | 6     | 66          | 6    | 66     | 66         | . 6 | 66    |
| 1748                       |         | -  | 5       | -   | •    | m,  | *    | 2  | +    | 0   | 4    | 0  | +    | *   | 4   | *   | 4    | 5  | 0    | 9    | 5              | 0      | 0            | 0             | 0             | 0     | 0           | 0    | 0      | 0 4        | 3 ( | 0.0   |
|                            | *       | 6  |         | -   |      |     |      | -  | :    |     |      |    |      | :   |     |     |      |    | 6    |      |                |        |              |               |               |       |             |      |        |            |     | ::    |
|                            | Al      | 6  | 0       | 0   | C    |     | 6    | 0  | 0    | 0   | 0    | 6  | 0    | 6   | 0   | 6   | 0    | 0  | ŏ    | 6    | 0              | 6      | 0            | 5             | 0             | 6     | 0           | 0    | 0      | 0 0        | 6   | 6     |
|                            |         |    |         |     |      | 0   | F    | 8  | F    | 2   |      |    |      |     |     | 0   |      | F  |      | us   |                |        |              |               | 0             | 00    | 00          | 00   | œ      | C 0        | 0   | 0 00  |
|                            | •       | 0  | 2.      | 3   |      |     |      | 0  | .0   | -   | :    |    |      | 00  |     |     |      |    |      | 000  |                | 0      |              |               |               |       |             |      |        |            | -   |       |
|                            | AI      | 0  | 0       | 0   | 0    | 0   | 0    | 0  | 0    | 3   | 0    | 0  | 0    | 0   | 0   | 0   | 0    | 0  | 0    | -    | 0              | 0      | 0            | 0             | 0             | 0     | 0           | 0    | 0      | 0 0        | 0   | 98    |
|                            |         | 2  | ~       | ~   | N    | 3   | 4    | N  | S    | 3   | a    |    | ~    | ~   | M   | 1   |      |    |      |      |                | 2      | 10           | 0             | n             | Λ     | N           | 2    | n      | 5          | 1   | 0 50  |
|                            | 0       | 0  | 3       |     |      | *   | 3    | 9  | 9    | 9   | -    | -  | 8    | 8   | 8   | 00  | 8    | 8  |      | 8    | 8              | 0      |              | 2             |               |       |             |      |        | D 0        |     |       |
|                            | Al      | 0  | 0       | 0   | 00   | 0   | 3    | 00 | 00   | 00  | 8    | 80 | 0    | 00  | 00  | 8   | 8    | 8  | 20   | 00   | 0              | 0      | œ            | 0             | 0             | 0     | 00          | 0    | 2      | 10 a       | -   | 88    |
|                            | -       | 0  |         |     |      | -   | -    | 1  |      | -   |      | -  |      |     |     |     |      | -  |      | 1    |                |        |              |               |               |       |             |      |        |            | +   |       |
| 9                          | =       | Ž  | ¥ 20000 | 8   | 9009 | 8   | 1200 | 8  | 8    | 8   | 7000 | 8  | 2000 | 8   | 8   | 8   | 3000 | 8  | 2000 | 8    | 1500           | 8      | 8            | 8             | 8             | 8     | 8           | 8    | 8      | 88         | 3   | 80    |
| CEILING                    | 2       | 1  | 2       |     |      |     |      |    |      | 1   |      | 1  | 8    | 1   | 4   |     |      | 1  |      |      |                |        |              |               |               |       |             |      |        |            | 1   |       |
| 2                          | -       | 9  | A       | ٨   | IAI  | ^   | IAI  | 1  | 1 11 | ^   | IAI  | ^  | IAI  | 1   | IAI | 1   | IAI  | ٨  | I AI | 1    | IAI            | ٨      | IAI          | Al            | Al            | ٨     | M           | ٨١   | M      | AI /       | M   | MAI   |
|                            |         | 1- |         | _   |      | _   |      | _  |      | _   |      | _  |      | _   |     | _   |      | 1_ | -    | -    |                |        |              |               |               |       |             |      |        |            |     |       |

0

0

0

0

0

0

TOTAL NUMBER OF OBSERVATIONS

1240

O

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

23195

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1

NOV HONTH O2 HOURS (LST.)

| CELLING  (FEET)  (FEET |
|--|
|--|

0

0

0.

0

0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

73-77

0.5 HOURS (1.8.T.) >0x MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)

66.3 96.0 98.0 99.3 ٨١ 0.96 98.0 0.96 0.96 0.86 61.3 66.3 97.3 66.3 66.3 66.66 66.3 66.66 99.3 7.86 98.7 ۸۱ 0.96 66.3 0.96 97.3 0.86 98.0 86.3 86.3 88.3 0.96 80.66 99.3 98.7 99.3 98.7 2 5/16 0.96 66.3 0.96 0.86 66.3 97.3 97.3 63.66 6.66 0.86 66.3 0.96 7.86 99.3 66.3 7.86 0.86 0.96 0.96 97.3 97.3 66.3 66.3 66.3 66.3 99.3 89.3 98.7 7.86 99.3 66.3 66.3 \* 61.3 0.96 0.86 66.3 66.3 0.96 61.3 0.86 66.3 93.3 66.3 0.96 7.86 99.3 99.3 99.3 99.3 1.96 % M 66.3 6066 0.96 97.3 98.0 66.3 0.96 96.0 0.86 666 99.3 99.3 99.3 99.3 99.3 99.3 98.7 98.7 VISIBILITY (STATUTE MILES) 0.86 96.0 7.86 66.3 99.3 0.96 98.0 96.0 96.0 96.0 97.3 97.3 7.86 6.66 66.3 66.3 97.3 97.3 V - 7 0.96 0.86 99.3 98.7 66.3 88.3 0.86 66.66 98.7 0.96 97.3 0.86 98.0 6066 0.96 0.96 7.86 66.3 99.3 89.3 99.3 7.86 99.3 86.3 66.3 61.3 98.0 0.96 0.86 66.3 66.3 66.3 66.3 99.3 99.3 98. 98.7 0.06 66.66 98.0 66.66 69.3 0.96 97.3 0.86 66.3 98.7 66.3 806 8 666 98.7 80.66 66.3 0.96 37.3 98.0 66.3 66.3 0.86 66.3 0.96 0.96 7.86 97.3 98.7 86.3 0.96 98.0 66.5 €.66 0.86 66.3 0000 6.66 €.66 98.7 97.3 66.3 € . 66 98.7 11 93.3 96.0 0.96 96.0 97.3 0.86 E . 66 8.66 66.3 6.66 6.16 98.0 98.7 8.66 99.3 98.7 78.0 78.0 78.0 75.3 78.0 78.0 78.0 18.0 15.3 78.0 78.0 78.0 78.0 78.0 0.9/ 78.0 77.3 77.3 0.8 78.0 0.87 0.87 18.0 0.81 78.0 75.3 76.7 1.09/ 76.7 2 NO CEILING 80 VI VI 0009 1 0009 (FEET) N 2000 900 800 000 000 900 4 50 4 50 8 64 3500 2000 1500 1000 88 88 88 88 ALAL AI AI ALAL ALAL 11 11 ALA MIN AI AI AI AI MIM MIM AI AI AI AI

TOTAL NUMBER OF OBSERVATIONS

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARTZONA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.8 HOURS (1.5.T.) VON

1400

| CEILING    |      |         |      |       |         |      | VISIA | BILITY (ST. | VISIBILITY (STATUTE MILES) | ES)  |         |       |         |        |       |      |
|------------|------|---------|------|-------|---------|------|-------|-------------|----------------------------|------|---------|-------|---------|--------|-------|------|
| (FEET)     | 2    | o<br>Al | 8 1  | AI AI | ۳<br>۸۱ | > 2% | 7     | ¥1 ¥        | ¥1 V                       | ĀÍ   | %<br>AI | *     | Z<br>Al | 2 5/16 | 7     | ٨١   |
| NO CEILING | 84.7 | 84.7    | 84.7 | 84.   | 85.3    | 85.3 | 85.3  | 85.3        | 85.3                       | 85.3 | 86.0    | 86.0  | 86.0    | 86.0   | 86.0  | 86.  |
| > 20000    |      | 92.7    | 92.7 | 92.7  | 93.3    | 93.3 | 93.3  | 93.3        | 93.3                       | 93.3 | 0.46    | 0.46  | 0.46    | 0.46   | 0.46  | 94.  |
|            | 93.3 | 93.3    | 93.3 |       | 0.46    |      | 0.76  | 0.46        | 0.76                       | *    | 1.46    | 1.96  | 94.7    | 44.7   | 1.96  | . 46 |
| 00091      |      | 93.3    | 3.   | 93.3  | 0.46    | 0.46 | 0.46  | 0.46        | 0.46                       | 0.46 | 7.46    | 94.7  | 94.7    | 94.7   | 94.7  | . 76 |
|            |      |         |      | 0.46  | 1.96    | *    | 1.046 | 1.46        | 10.76                      |      | 62.3    |       | 95.3    | 95.3   |       | 95.  |
| 12000      |      |         | 95.3 | 98.3  | 0.06    | 0.96 | 0.96  | 0.96        | 96.0                       | 0.96 | 1.96    | 96.7  | 96.7    | 96.7   | 96.7  | 96   |
|            |      |         | 0.96 | 0.96  | 1.96    | 1.96 | 9     | 9           | 1.96                       | 96.7 |         |       | 97.3    | 97.3   |       | 97.  |
| 0006       |      | 96.0    | 0.96 | 0.96  | 96.7    | 1.96 | 1096  | 1006        | 1006                       |      | 97.3    | 97,3  | 97.3    | 97.3   | 97.3  | 97.  |
|            |      |         | 1.96 | 1.96  | 61.3    |      |       | 97.3        | 97.3                       | 97.3 | 98.0    | 0.86  | 98.0    | 98.    | •     | 98.  |
| 7000       | 96.7 | 96.7    | 1.96 | 1.96  | 61.3    | 97.3 | 97.3  | 1.          | 97.3                       |      | •       |       |         |        | 0.86  | 98.  |
| 1          |      |         | 6.16 | 6.16  |         | 98.0 | 8     | 8           |                            | 0.86 |         | 9867  | 98.     |        |       | 98.  |
| 2000       |      | 98.0    | 8    | 0.86  | 2.86    |      | 7.86  | 7.86        |                            |      | 66.3    | 66    | 99.3    | 86.3   | 99.3  | 66   |
|            |      |         |      |       | 18.1    |      | 48.7  | 1.86        | 18.7                       | 98.7 |         |       | 66      | 86.3   | 66.3  | .66  |
| 904        |      | 98.0    | 98.0 | 0.86  | 98.7    | 98.7 | 7.86  | 98.7        | 18.7                       |      | 66.3    | 66.3  | 99.3    | 86.3   | 99.3  | 66   |
|            |      | 98.7    | 98.7 | 98.7  | 66.3    | 66.3 |       | 66.3        | 66.3                       | 66.3 | 100.0   | 100.0 |         | 100    | 100.0 | 100. |
| 3000       |      | 7.86    | 98.7 | 98.7  | 66.3    | 66.3 | 66.3  |             | 86.3                       |      | 10000   | 10000 | 1000    | 100.   | 100.0 | 1000 |
| 1          |      | 78.7    | 1.86 | 68.   | 66.3    | 666  | .6    | 68.3        | 66.3                       | 6    |         | 00    | 100.0   | 100    | -     | 100  |
| 5000       |      | 98.7    | _    | 1.86  | 66.3    |      |       |             | 99.3                       | 9.3  | 0       | 10001 | 100.0   | 100    | 100   | -    |
| 1          |      | 98.7    | 1.86 |       | 66.6    | 66.3 | 6     | 6           |                            | .53  | 0000    | 100   | 100     | 100    | 100   | -    |
| 1300       | 98.7 | 98.7    | 1.86 | 7.86  | 66.3    |      |       | 66.3        |                            | 6.3  | 100.0   |       | -       | -      | -     | 100  |
|            |      | 186     | 48.7 |       | 66.3    |      | 6     |             |                            | 9.3  | 100.0   | 100   | -       | 100    | 100.0 | 100  |
| 9          |      | 7.86    | 98.7 | 7.86  | 66.3    | 66.3 | 66.3  | 66.3        | 66.3                       | 6.3  | 100.0   | 100.0 | -       | 100.   | -     | 1001 |
|            |      | 98.7    | 1.86 |       | 66.3    |      | 66.3  |             |                            | 6.6  | 100.0   |       | 100.0   | 100    | -     | 100  |
| 8          |      | 98.7    | 98.7 | 98.7  | 99.3    | 66.3 | 60.66 | 99.3        | 66.3                       | 66.3 | 100.0   | 1000  | 100.0   | 100.0  | 100.0 | 100  |
|            |      | 7.86    | 1.86 | 1.86  | 66.3    |      | 6     |             | 66.66                      | 6.6  | 100.0   | 10000 | 100.0   | 100.0  | 100.0 | 100  |
| 8          | 98.7 | 98.7    | 98.7 | 98.7  | 66.3    | 66.3 | 66.3  |             | 99.3                       | -    | 100.0   | 100.0 | 100.0   | 10000  | 10000 | 100  |
|            | 98.7 | 7.86    | 98.7 | 98.7  | 66.3    | 66.3 | 66.3  | 6.66        | 99.3                       | 66.3 | 100.0   | 100.0 | 100.0   | 100.0  | 100.0 | 100  |
| 8          | 98.7 | 28.7    | 38.7 | 1.86  | 66.3    | 66.3 | 99.3  | 99.3        | 86.3                       | 666  | 100.0   | 100.0 | 100     | 10000  | 100.0 | 100  |
|            | 49.4 | 1.86    | 1.86 | 1.86  | 66.3    |      | 66.3  | 88.3        |                            | 66.3 | 100.0   | 100.0 | 1000    | 100.0  | 100.0 | 100  |
| 30         | 98.7 | 98.7    | 98.7 | 98.7  | 66.3    | 66.3 | 39.3  | 99.3        | 66.3                       | 66.3 | 100.0   | 100,0 | 100     | 100.0  | 100.0 | 100  |
| 8          | 1.86 | 98.7    | 98.7 | 98.7  | 66.3    | 66.3 | 66.3  |             | 99.3                       |      | 100.0   | 10000 | 0001    | 10000  | 10000 | 100  |
|            | 1.96 | 18.4    | 1.86 | 98.   | 66.3    | 39.3 | 99.3  | 99.3        | 99.3                       | 99.3 | 1000    | 1000  | 0001    | 10000  | 0.001 | 100  |

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

YUMAS ARIZONA

YEARS PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

200

>0Z - 11

98.0 99.3 66.3 86.66 66.3 ٨١ 0.86 0.86 98.0 0.86 66.3 66.3 97.3 0.86 99.3 98.7 66.3 74.7 94.7 94.7 88.7 ٨١ 98.0 0.86 98.0 69.3 80.66 0.86 98.0 97.3 99.3 99.3 7.46 98.7 88.7 94.7 2 5/16 0.86 66.3 98.0 0.86 66.3 0.86 61.3 0.86 66.3 99.3 99.3 99.3 99.3 99.3 48.7 7.76 94.7 1.76 2 11 0.86 66.3 0.86 86.3 97.3 0.86 98.0 98.0 94.7 94.7 98.7 94. \* 66.66 0.86 0.86 66.66 0.86 0.86 0.86 66.3 61.3 1.86 7.46 7.96 % Al 98.0 98.0 99.3 99.3 99.3 86.3 98.0 98.0 99.3 99.3 99.3 7.46 98.0 98.7 94.7 ۸I VISIBILITY (STATUTE MILES) 0.86 7.86 97.3 0.86 99.3 98.0 0.86 0.86 98.0 98.0 94.7 0.86 61.3 0.86 0.86 66.3 1.96 98.7 7.46 1.46 17 66.3 6066 6.16 0.86 0.86 0.86 0.86 666 99.3 99.3 99.3 98.7 88.7 1.76 0.86 7.76 ۸ ۱۸ 66.3 98.0 0.86 0.86 93.0 66.3 66.3 € 66 € 66 97.3 98.0 98.0 94.7 98. 88. 94. 98.0 0.86 0.86 0.86 66.3 7.96 98.7 N Al 61.3 98.0 0.86 98.0 66.3 € 66 € 66 66.3 98.0 18.1 94.7 0.86 66.3 94.7 AI 6.76 1.86 6.66 98.0 98.0 0.86 98.0 0.86 66.3 88.3 1.46 1.46 81.3 97.3 98.0 97.3 97.3 98.7 97.3 94.7 94.7 98.7 98. 98. ٥ ٨١ 6.16 6.16 97.3 0.86 7.86 8.66 6.66 6.66 66.3 66.3 69.3 97.3 6.66 66.66 66.3 99.3 66.3 88.7 616 97.3 866 66.66 8.66 94.7 1.86 88.3 7.96 96.7 66.66 1.76 98.7 NO CEILING (FEET) VI VI 8000 8000 8000 8000 3000 80 20000 12000 VI VI 000 000 000 000 4 50 4 60 6 60 6 60 2000 88 2 00 0 00 0 00 900 900 900 88 88 88 AI ALAI ALAI AI AI AI AI

TOTAL NUMBER OF OBSERVATIONS

150

250

# **CEILING VERSUS VISIBILITY**

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23195

YUMA, ARIZONA

73-77

T S 1) SHOOM ADN MONTH

200

|            |      |         |         | PERCEI ( | FROM (FROM | FREQUE | SUENC<br>RLY OF | Y OF (        | PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) | RENC<br>5) | ш           |         |         |         | 14 T T T T T T T T T T T T T T T T T T T | ٤     |
|------------|------|---------|---------|----------|------------|--------|-----------------|---------------|---|------------|-------------|---------|---------|---------|--|-------|
| CEILING    |      |         |         |          |            |        | VIS             | SIBILITY (ST. | VISIBILITY (STATUTE MILES)                                    | ES)        |             |         |         |         |  |       |
| (FEET)     | 0 1  | 9<br>Al | \$ 1    | 4 4      | e Al       | ≥ 2%   | 7 7             | %1 Y          | ¥1 Y  | -          | × AI        | *       | × AI    | ≥ 5/16  | NI NI                                    | 0 11  |
| NO CEILING |      | 88      | 7 89.3  | 89.3     | 89.3       | 89.3   | 89.3            | 89.3          | 89.3  | 89.3       | 89.3        | 89.3    | 89.3    | 89.3    | 89.3                                     | 89.3  |
| ¥ 20000    |      | 92.     | 92.7    | 92.7     | 92.7       | 92.7   | 92.7            | 92.7          | 92.7  | 92.7       | 92.7        | 92.7    | 92.7    | 92.7    | 92.7                                     | 92.7  |
|            |      | 92.     | 92.7    | 92.7     | 92.7       | 92.7   | 92.7            | 92.7          | 92.7  | 92.7       | 92.7        | 92.7    | 92.7    | 92.7    | 92.7                                     | 92.7  |
| 14000      |      | 92.     | 93.3    | 93.3     | 93.3       | 93.3   | 93.3            | 93.3          | 93.3  | 93.3       | 93.3        | 93.3    | 93.3    | 93.3    | 93.3                                     | 93.3  |
| > 14000    |      | 93      | 0.46    | 0.46     | 0.46       | 94.0   | 0.46            | 0.06          | 0.46  | 94.0       | 0.46        | 0.46    | 0.46    | 0.46    | 0.46                                     | 0.46  |
| 7 12000    | 93.3 | 93      | 0.46    | 0.46     | 0.46       | 0.46   | 0.46            | 0.46          | 0.46  | 0.46       | 0.46        | 0.96    | 0.46    | 0.46    | 0.46                                     | 0.46  |
|            |      | 94.     | 94.7    | 94.7     | 94.7       | 94.1   | 94.7            | 1.76          | 94.7  | 94.7       | 1.96        | 1006    | 1.76    | 44.7    | 1.46                                     | 94.7  |
| 000        |      | 94.     | 7.46    | 94.7     | 94.7       | 94.7   | 1.96            | 7.46          | 4.7   | 94.7       | 1.46        | 94.7    | 1.46    | 94.7    | 1.46                                     | 1.96  |
|            |      | 95      | 0.96    | 0.96     | 96.0       | 96.0   | 96.0            | 0.96          | 96.0  | 96.0       | 0.96        | 0.96    | 0.96    | 0.96    | 0.96                                     | 0.96  |
| 1 1 1      |      | 96      | 96.7    | 7.96     | 96.7       | 96.7   | 96.7            | 96.7          | 96.7  | 96.7       | 96.7        | 7.96    | 96.7    | 96.7    | 7.96                                     | 7.96  |
| 1          | 96.7 | 97.     | 98.0    | 98.0     | 0.86       | 98.0   | 98.0            | 98.0          | 98.0  | 98.0       | 98.0        | 0.86    | 98.0    | 0.86    | 98.0                                     | 98.0  |
| 200        |      | 98      | 98.7    | 98.7     | 98.7       | 98.7   | 98.7            | 98.7          |   | 98.7       | 1.86        | 98.7    | 18.1    | 98.7    | 7.86                                     | 98.7  |
|            |      | 98      | 48.7    | 7.86     | 98.7       | 98.7   | 98.7            | 98.7          | 98.7  | 98.7       | 48.7        | 186     | 98.7    | 98.7    | 7.86                                     | 98.7  |
| 900        | 98.0 | 98      | 66.3    | 86.66    | 66.3       | 66.3   | 99.3            | 99.3          | 99.3  | 99.3       | 99.3        | 99.3    | 66.3    | 66.66   | 86.3                                     | 66.66 |
| 1          |      | 66      | 0.001   | 100.001  | 100.0      | 100.0  | 0.              | 100.0         | 100.00  | 100.0      | 100.0       | 0.001   | 10000   | 00.001  | 00.001                                   | 0000  |
| 3000       | 98.7 | •       | 100.001 | 8        | .0100.0    | 0100.0 | 0               | 100.001       | 00  | 10000      | 100.001     | 100.001 | 100.001 | 100.00  | 100.001                                  | 0.00  |
| 1          | 98.7 |         | 100.001 | 00.00    | 100.0      | 100.0  | 100.0100        | 0             | 001   | 100.0      | 0.001       | 0.001   | 00.00   | 00.00   | 00.00                                    | 0.00  |
| 2000       | 98.7 |         | 100.0   | 0000     | 100.0      | 100.0  | 10000           | 100.0100.0100 | 100.001   | 10000      | 00.0010.00. | 0000    | 00      | 0000    | 100.001                                  | 0.00  |
|            | 96.7 |         | 0000    | 0.0010   | 0.0010     | 100.0  | 100.0100        | 100.0         | 100.001   | 10000      | 0.001       | 100.001 | 100.001 | 0000    | 00.00                                    | 0000  |
| 200        | 98.7 |         | •       | _        | 0.0010     | 000    | 0               | 100           | 0100.01   | 0000       | 100.00      | 100.00  | 100.00  | 00.00   |  | 0.00  |
|            | 98.7 |         |         | C        | 100.0      | 0000   | 100.001         | 100.0         | 100   | 0.00       | 100.0       | 100.00  | 100.001 | C       | 100.001                                  | 0000  |
| 8          | 96.7 |         | 100.0   | 0        | 100.0      | 100.0  | 0               | 0             | 100.001   | 0.00       | 00          | 1000    | 100.001 | 100.00  | 100.001                                  | 0000  |
|            | 98.7 |         | 0000    | 0.0010   | 0.0010     | 100.0  | 100.0100        | 0             | 100.01  | 0000       | 100.0       | 00.00   | 100.001 | 00.00   | 00.001                                   | 00.00 |
| 8          | 98.7 | 99.31   | 0.00    | .0100.0  | 0.0010     | 100.0  | 100.0           | 100.00        | 00  | 0.001      | 0.001       | 100.00  | 100.00  | 100.00  | 100.00                                   | 0.00  |
|            | 1.86 |         | 0000    | 0.0010.  | 100.0      | 100.0  | 100.0100        | 0             | 100.001   | 0100.0     | 100.01      | 0000    | 00.00   | 0.00    | 100.00                                   | 0000  |
| 8          | 98.7 | 99.31   | 0       | 100.001  | 100.0      | 100.0  | 100.0100        | 0.            | 100.001   | 0100.0     | .0100.0010  | 0       | 100.001 | 100.001 | 100.001                                  | 0.001 |
|            | 200  | 100     | 100     | -        | -          |        | -               | 4             | -   | -          |             |         |         |         | 1  | -     |

TOTAL NUMBER OF OBSERVATIONS

150

315

196 98.7

88

ALAI

98.7 98.

88

80

ALA

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17 NOV

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| S. S |      |              |         |       |       |       |      | VISIA | VISIBILITY (STATUTE MILES) | TATUTE | MILES |       |     |        |         |      |      |       |       |     |   |
|--|------|--------------|---------|-------|-------|-------|------|-------|----------------------------|--------|-------|-------|-----|--------|---------|------|------|-------|-------|-----|---|
| (FEET)                                   | N N  | AI AI        | \$ 11   | AI    | AI AI | 1     | 21%  | 7 4   | VI 72                      | VI 71  | -     | -     | AI  | *      | *       | N X  | AI   | \$/16 | N AI  | ٨١  |   |
| NO CEILING                               | 90   | 90           |         | 90.06 | .06   | 06 0  | 0.   | 0.06  | 900                        | 06     | 0     | 90.06 | 06  | 0      | 0.0     | 90   | 60   | 0.0   | 0006  | 90  | 0 |
| Y 20000                                  | 36   | 1 94.7       |         | 94.7  | . 96  | 7 94  | 5    | 4.7   | 94.7                       | 36     | 1     | 1.46  | 36  | 1      | 1 . 46  | 94.  | 6    | 4.7   | 94.7  | 94. | 1 |
| > 18000                                  | 94.  | 94.          | 1       | 94.   | . 56  | 1 94  | 5 1. | 1.5   | 94.                        | 36     |       | 94.   | *   | -      | 1:50    | . 46 | 6    | 1.5   | 94.   | .76 | - |
| 7 16000                                  | •    | 95.3         |         | 95.3  | 9 95. | 3 95  | 6.3  | 5.3   | 95.3                       | 66     |       | 95.3  | 96  | 3      | 15.3    | 95   | 3    | 5.3   | 95.3  | 95. | 3 |
|  |      | 96.7         |         | 96.   | 96    | 1 96  | 6 1. | 1.9   | 96.                        | 96     |       | 96    | 96  | -      | 100     | 96   | 1 9  | 1.9   | 96.7  | 96  | - |
| 12000                                    | 96.7 | 7 96.7       | 96.7    | 96.7  | .96   | 7 96  | 6    | 1.0   | 96.7                       | 96     | . 7   | 96.7  | 96  | .7     | 199     | 96   | 7    | 2.9   | 96.7  | 96  | 1 |
|  |      | 97.3         |         | 97.   | 3 97. | 3 97  | 3 6  | 7.3   | 97.3                       | 16     | .3    | 97.3  | 16  | .3     | 17.3    | 97.  | 3 6  | 1.3   | 97.3  | 97. | 3 |
| 000                                      | 97.  | 97.3         | 97.3    | 97.3  | 3 97. | 3 97  | 6.3  | 7.3   | 97.3                       | 1 97   | .3    | 97.3  | 97  | 6      | 17.3    | 97.  | 3 97 | 7.3   | 97.3  | 97. | 3 |
| 1  | 97.  | 97.3         | 97.3    | 97.3  | 1 97. | 3 97  | 3 6  | 7.3   | 97.3                       | 10     | 6     | 37.3  | 97  | 3      | 1.3     | 97.  | 3 6  | 6.    | 97.3  | 97. | 3 |
| 141                                      | 97.3 | 97.3 98.0 98 | 98.0    | 98.0  | .86   | .0 98 | 60.  |       | 0.86                       | 86     | 0     | 0.86  | 96  | 0      | 0 . 8   |      | 86 0 | 0     | 98.0  | 98. | 0 |
| 1  | 97.  | 98.0         | 98.0    | 98.0  | 98    | .0 9B | 600  | 8.0   | 0.86                       | 96     | 0     | 98.0  | 86  | 0      | 0.86    | 98.  | 0 98 | 0     | 98.0  | 98. | 0 |
| 900                                      | 98.  | 100.0        | 100.001 | 100.0 | 100.  | .0100 | 0    | 00.00 | 100.0                      | 100    | 0.    | 00.00 | 100 |        | 00.00   | 100  | 0100 | 0.0   | 0000  | 100 | 0 |
|  | .86  | 100.0        | 100.0   | 100.0 | 100   | 0100  | 010. | 10.01 | 100.0                      | 100    | 010   | 0000  | 100 | 0.0    | 00.00   | 100  | 0010 | 0     | 00.00 | 100 | C |
| 1 41                                     | 98.  | 10000        | 100.00  | 100.0 | 100   | 0100  | 010  | 3     | 00.0                       | 0010   | -     | 0.00  | 100 | .0100. | 0.00    | 100  | 0100 | 0.0   | 000   | 100 | 0 |
| 1  | 98   | 10000        | 100.0   | 100.0 | 1001  | 0100  | 010. | 0.0   | 00.00                      | 0010   | 010   | 0000  | 001 | 010    | 0.00    | 100  | 0100 | 0     | 00.00 | 100 | 0 |
| 3000                                     | 98.  | 100.0        | 100.01  | 100.0 | 1000  | 0100  | 070  | 10.01 | 00.00                      | 100    | 10.   | 0000  | 100 | 60     | 00.00   | 100  | 0010 | 0.0   | 000   | 100 | 0 |
| 1  | 98   | 100.0        | 100.0   | 100.0 | 100   | 0100  | 010. | 0.0   | 00.00                      | 001    | 010   | 000   | 100 | 0.     | 00.00   | 100  | 010  | 0.0   | 000   | 100 | 0 |
| 7 2000                                   | 98.  | 10000        | 100.001 | 100.0 | 1000  | 0100  | 010. | 10.01 | 00.0                       | 100    | 0.    | 0000  | 100 | 90     | 100.0   | 100  | 010  | 0.0   | 000   | 100 | 0 |
| 1  | 98   | 100.0        | 100.001 | 100.0 | 100   | 0100  | 010. | 10.0  | 000                        | 100    | 0     | 0000  | 100 | 0      | 100.01  | 100  | 010  | 0.0   | 0000  | 100 | 0 |
| 1500                                     | 98.  | 100.0        | 100.0   | 100.0 | 100   | 0100  | 010  | 10.01 | 100.0                      | 100    | 70.   | 000   | 100 | 50°    | 100.0   | 100  | 0100 | 0     | 0000  | 100 | 0 |
| 1  | .86  | 100.0        | 100.0   | 100.0 | 100   | 0100  | 010. | 10.0  | 100.0                      | 100    | 0     | 20.00 | 100 | 0.     | 0000    |      | 010  | 0.0   | 000   | 100 | 0 |
| 1000                                     | 98   | 10000        | 100.01  | 100.0 | 1000  | 0100  | .010 | 10.01 | 100.0                      | 100    | 000   | 0000  | 100 | 010    | 00.00   | 100  | 010  | 0.0   | 000   | 100 | 0 |
|  | 98.  | 10000        | 100.0   | 100.0 | 100   | 0100  | 010. | 10.0  | 100.0                      | 100    | 010   | 000   | 001 | 0.     | 00 • 00 | 100  | 010  | 10.0  | 00.00 | 100 | 0 |
| 8  | 98.  | 100.0        | 100.0   | 100.0 | 100   | 0100  | 010. | 10.01 | 100.0                      | 100    | 010   | 000   | 100 | 010    | 00.00   | 100  | 010  | 0.0   | 00.00 | 100 | 0 |
|  | 98.  | 100.0        | 100.0   | 100.0 | 100   | 0100  | 010. | 0.0   | 00.0                       | 0010   | 0.    | 000   | 100 | 0.     | 0 000   | 100  | 010  | 0.0   | 00.0  | 100 | 0 |
| 8  | 98.  | 10000        | 10000   | 100.0 | 1000  | 0100  | 010  | 0.00  | 100.0                      | 100    | 0     | 000   | 100 | .010   | 0 . 00  | 100  | 010  | 0.0   | 000   | 100 | C |
|  | 98   | 100.0        | 0.001   | 100.0 | 100   | 010   | 010  | 0.0   | 00.0                       | 001    | 10    | 0000  | 001 | 10.    | 0000    | 100  | 010  | 10.0  | 000   | 100 | 0 |
| 7 400                                    | 98.  | 10000        | 100.001 | 100.0 | 100   | 0100  | .010 | 0.0   | 00.00                      | 00     | 0     | 000   | 007 | 6      | 0.00    | 00   | 010  | 0.0   | 000   | 100 | 0 |
| 300                                      | 98   | 7100-010     | 0       | 1001  | 0010  | 0100  | 100  | 0.0   | 00.00                      | 001    | 0     | 000   | 001 | 0      | 0.00    | 000  | 01.0 | 0     | 000   | 000 | 0 |
|  | 20.  | 100          | 9       | 100   | 0010  | 0100  | 0    | 0     | 001                        | 201    | 0     | 000   | 201 | 5      | 0       | 3    | 010  | 0     | 000   | 000 | 0 |
| 8  | 90   | 1000         | 0       | 100   | 0010  | 0100  | 010  | 0.0   | 000                        | 001    | 0     | 000   | 201 | 5      | 0 0     | .00  | 3 6  | 0     | 000   | 001 | 0 |
| o<br>Ai                                  |      | 10000        | 0       | 100.0 | 1000  | 0100  | 100  | 10.0  | 100.0                      | 001    | 0     | 000   | 100 | 0.     | 0.001   | 100  | 0100 | 0.0   | 00.00 | 100 | 0 |

SMOS

150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

0

0

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

**CEILING VERSUS VISIBILITY** 

YUMA, ARIZONA

23195

(FROM HOURLY OBSERVATIONS)

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE

MOURS (L S T ) >0x HONTH 50

18.00

| March   2   0   2   2   2   2   2   2   2   2  | CEILING    |      |      |       |         |         |       | VISI    | BILITY (ST | VISIBILITY (STATUTE MILES) | ES)   |      |          |      |      |       |      |
|--|------------|------|------|-------|---------|---------|-------|---------|------------|----------------------------|-------|------|----------|------|------|-------|------|
| 74.0 93.3 94.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98   | (FEET)     |      |      |       | 7       |         |       |         |            |                            | ĀI    |      |          |      |      |       |      |
| 74.0 93.3 93.3 93.3 93.3 93.3 93.3 93.3 93   | IO CEILING | 68.7 |      | 88.0  |         |         | 88.0  | 8       |            | 88                         | 8     | 88   | 88       |      | _    |       | 88   |
| 74.0 93.3 944.0 94.0 94.0 94.0 94.0 94.0 94.0 94.  | ≥ 20000    |      | 471  | 93.3  | 93.3    |         | 93.3  |         | 3          | 63                         | 93.3  | 3    |          | 93.3 | 93.3 | 3     | 93.  |
| 150.00   75.3   94.7   95.3    |            |      | 24.0 | 0.46  | 0.46    |         | 0.76  | *       | 3          | 36                         | 94.   | 76   | 946      | 0.46 | 94.0 | 4     | . 76 |
| 150.2 94.7 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3   |            |      | (F)  | 94.0  | 0.46    |         | *     | 4       | 4          | 96                         | 94.   | 46   | 94.      |      | 24   | 96    | 94.  |
| 15.3 94.7 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3  | A 14000    |      |      | 95.3  | 95.3    | 95.3    | 95.3  | 3       | 95.3       | 95.3                       | 95.3  | 95.3 | 95,3     | 95.3 |      | 6989  | . 56 |
| 10000   76.0   96.7   97.3     | 1200       |      |      | 95.3  | 95.3    | 10      | 95.3  | 3       |            | 95.                        |       | 95.3 | 95.3     | 95.3 | 95.3 | S     | 95.  |
| 76.7 96.7 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97  | V 1000     |      |      | 1.96  | 1.96    | 1006    | 96.1  |         | 96.7       | 96.7                       |       | 96.1 | 1.96     | 96.7 | 96.7 | 1.96  |      |
| 76.7 97.3 97.9 97.9 97.9 97.9 97.9 97.9 97   |            | 76.7 |      | 97.3  | 97.3    | 97.3    | 97.3  |         |            | 0                          | 97.3  |      | 97.3     | 97.3 | 97.3 |       | 97.  |
| 76.7 97.3 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0  | 1          |      | -    | 97.3  | 97.3    | 6.16    | 97.3  | -       | 97.3       |                            | 97.3  | -    | 97.      |      | 97.3 |       | 97.  |
| 26.00 76.4 99.3 100.0 10 |            |      | 4    | 98.0  | 98.0    |         |       | -       | 3          | 98.                        | 8     | 98   | 98.      | 98.  | 86   | 96    | 98.  |
| 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  | 1          |      |      | 186   | 98.7    | 7.86    | 98.7  | 98.7    | 98.7       | 98.7                       | 98.7  |      |          | 48.7 | 98.7 |       | 98.  |
| 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  |            |      | -    | 100.0 |         | 00      | 0.001 | 100001  | 100        | 00                         | 100   | 100  | 00       | 100  | 100  | 8     |      |
| 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  | 1          |      | -    | 0.001 | 0       | 100.001 | 0000  | 100.0   | -          |                            | 100   | 100  | 00       | 00   | 100  | 00    | 100  |
| 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  |            |      | 66.3 | 100.0 | 0       | 0       | 100.0 | 100.001 | 100        | 00                         | 100   | 100  | 801      | 00   | -    | 10000 |      |
| 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  | 1          |      | 8.66 | 0.001 | 0       |         |       |         | 100        | 00                         | 100   | 100  | 00.00    | 100  | _    | 100.0 |      |
| 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  |            |      | 8.66 | 10000 | 0       | 0.00    | 0     | 0       | 100        | 100                        | 100   | 100  | 0000     | 00   |      | 100.0 |      |
| 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  | 1          |      | 66.3 |       | 0       | 0.001   | 0     | 0       |            | 100                        |       | 100  | 00       | 00   | -    |       | 100  |
| 18.00 78.00 99.3100.0100.0100.0100.0100.0100.0100.01   |            |      | •    |       | 0000    | 0       | 0.001 | 0       | 100        | 100                        | 100   | 100  | 00       | 00   | -    |       | 100  |
| 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  | 1          |      |      | 0     |         | 0.001   |       |         |            |                            |       | 100  | 100      | 100  | 100  |       | 100  |
| 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  |            |      |      |       | 100.0   | 0       | 0     | 100.001 | 100.0      | 100.0                      | .00   | 100  | 00       | 100  | -    | 10000 | 100  |
| 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  |            |      |      |       | 0.001   | 0.001   | 0     | 100.0   |            | 001                        | 00    | 100  | 00       | 00   | 100  | 001   | 100  |
| 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  |            |      |      |       | 0       | 0       | 100.0 | 100.001 | 100        | 100.0                      | 0000  | 100  | 00       | 8    | -    | 100   | 100  |
| 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  |            |      |      | 100.0 | 100.00  | 100.00  | 0.001 | 0       | 100.0      | 100.0                      | 00    | 100  | 00       | 001  | 100. | 001   | 100  |
| 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  |            |      |      | 0     | 100.001 | ó       | 100.0 | 100001  | _          | 100.0                      | 100   | 001  | 00       | 100  | -    | 907   | 100  |
| 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  | 1          |      |      | 0.001 | 0       | 0.001   | 0000  | 0.0     | 00         | 100                        | 00    | 00   | 00       | 00   | 100  | 100   | 100  |
| 200 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  |            |      |      |       | 100.0   | 0       | 100.0 |         | 100.0      | 100.0                      | 00    | 100  | 00       | 8    | 100  | 100   | 100  |
| 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  |            |      |      |       | 0.0     | 0.001   | 0     |         | 100.0      | 100.0                      | 100.0 |      | 00       | 001  | 100. | 100   | 100  |
| 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  |            |      |      |       | 100.0   | 0       | 0.001 |         | 100.0      |                            | 100.0 |      | 100      | 100  | 100  | 100   | 100  |
| 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  |            |      |      | 0     | 0.0     | 0       | 0.00  | 100.00  | 100.0      | •                          | 100.0 |      | 100.0    | 000  | -    | 0.001 | -    |
| 0 78.0 99.3100.0100.0100.0100.0100.0100.0100.01  | 1          | •    | •    | 2     | 2       | 2       | 200   | 0.001   | 200        | 200                        | 2001  | •    |          | •    | 1    |       |      |
|  |            |      |      | 20    | 00      | 000     | 000   | 100.00  | 100.0      | 000                        | 1000  |      | <u> </u> |      | -    |       | 100  |

TOTAL NUMBER OF OBSERVATIONS

150

SMOS DIRNAVOCEANMET

23 HOURS (1.5.7.)

VON ...

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) YUMAS ARIZONA STATION MALE 23195

|                            |      | m c        | 0  | 0    | ~   | •    | 0   | 0    | -   | 0    | 0   | 3    | 1   | ~   | 3   | 2   | 3   | 3    | 3   | 0         | C   | 0   | 0   | 0        | 0         | 0        | 0    | 0     | 0        | 2       | 50       |
|----------------------------|------|------------|----|------|-----|------|-----|------|-----|------|-----|------|-----|-----|-----|-----|-----|------|-----|-----------|-----|-----|-----|----------|-----------|----------|------|-------|----------|---------|----------|
|                            | O Al | -:         |    |      | 3.  | 5    |     |      | 96. | 98.  | 98. | .66  | .66 | 66  | 66  | .66 | 66  | .66  | 66  | 00        | 00  | 00  | 00  | 00       | 00        | 00       | 00   | 00    | 00       | 2       | 000      |
|                            |      | 00         | 0  |      | 0   | 0    | 0   | 0    | 6   | 0    | 0   | 0    | 6   | 0   | 9   | 0   | 0   | 0    | 0   | -         | -   |     |     | _        | -         | 5        | 2    | 0     | 2        |         | 4        |
|                            | *    |            | 0  |      |     | 5.3  | 0.0 | 0    |     |      |     | .3   | .3  |     | .3  |     | .3  |      |     | 0         | 0   | 0   | 0   | 0        |           | .0       | 0    |       | 0        | -       | 000      |
|                            | Al   | 6          |    | 16   | 66  | 50   | 96  | 96   | 96  | 86   | 86  | 66   | 66  | 66  | 66  | 66  | 66  | 66   | 66  | 00        | 8   | 8   | 00  | 8        | 00        | 8        | 8    | 8     | 00       | 3       | 001      |
|                            | _    | m c        | 10 | 0    | 3   | 3    | 0   | 0    | -   | 0    | 0   | 6    | •   | 3   | 100 | 19  | •   | •    | 1   | 6         |     | 70  | 6   | 6        | 6         | 7        | 0    | 7     | 0        | 3       | 3 3      |
|                            | 5/16 | - 3        |    |      | 6   | 2    | 96  |      | 96  | 8    | 8   |      | 6   | 6   |     | 6   | 6   |      | 6   | •         |     |     | 0   |          | 0         |          | 0    | 0     |          | •       | •        |
|                            | AI   | 00         | -  | 0    | 0   | 0    | 0   | 96   | 0   | 98   | 98  | 66   | 66  | 66  | 66  | 66  | 66  | 66   | 66  | 100       | 100 | 100 | 100 | 100      | 100       | 100      | 100  | 100   | 601      | 2       | 0100     |
|                            | 2    | 20         | 0  | 0    | 3   |      | 0   | 0    | -   | 0    | 0   | 1    |     | 3   |     | ~   | 3   |      | 3   | 0         | 0   | 0   | 0   | 8        | 0         | 0        | 0    | 0     | 0        | 2       | 00       |
|                            | AI   | - 3        | 34 | 4    | 2   | 2    | 0   | 96   | 9   | 98   | 36  | 6    | 6   | 66  | 6   | 66  | 6   | 6    | 2   | 8         | 00  | 8   | 2   | 8        | 0         | 00       | 00   | 8     | 00       | 3       | 20       |
|                            |      | m 0        | 0  | 0    | -   | -    | 5   | 0    |     | 0    |     | -    | -   | •   |     | -   | -   | •    | -   | -         | -   | -   | 3   | 70       | 6         | 금        | 6    | 츳     | <u> </u> | 4       | 0100     |
|                            | *    |            |    |      |     | :    |     |      |     |      | -   | -    |     |     | -   | -   |     | :    | •   | 0.0       |     | 0.0 |     |          |           |          | •    |       |          |         |          |
|                            | Al   | 00         | 6  | 6    | 6   | 0    | 96  | 96   | 96  | 86   | 86  | 66   | 6   | 66  | 6   | 6   | 6   | 6    | 6   | 8         | 00  | ŏ   | 8   | 8        | 8         | 8        | 6    | 8     | 88       | 5       | 001      |
|                            |      | 0          | 0  | 0    | m   | 1    | 0   | 0    | -   | 0    | 0   | n    | -   | m   | ~   | •   | 1   | 7    | 3   | 3         | 6   | 5   | 6   | 3        | 6         | 6        | 6    | 등     | 5        | 5       | 5 6      |
|                            | AI N | -          | *  |      |     | 3    | 0.0 | 96   | 0   | 98   | 36  | 66   | 66  | 66  | 6   | 66  | 66  | 66   | 66  | 00        | 00  | 00  | 00  | 00       | 00        | 00       | 00   | 00    | 0        | 3       |          |
|                            | Λ'   | 00         | 6  | 6    | 6   | 0    | 0   | 0    | 6   | 0    | 6   | 6    | 6   | 0   | 0   | 0   | 6   | 0    | 6   | 20        | 2   | -   | 10  | -        | 10        | 10       | 01   | 0     | 100      | ?       | 001      |
|                            | _    | . 0        | 0  | 0    | .3  | .3   | 0   | 0    | 1.  | 0    | 0   |      | .3  |     |     |     | .3  | -    | .3  | 0         | 0   | 0   | 0   | 0        | 0         | 0        | 0    | 0     | 0        | 2       | 00       |
|                            | Al   | - 3        | 1  | *    | 3   | 5    | 96  | 90   | 96  | 93   | 86  | 56   | 66  | 66  | 6   | 66  | 66  | 66   | 66  | 00        | 00  | 00  | 00  | 00       | 00        | 00       | 00   | 00    | 00       | 0       |          |
| ILES                       |      |            |    |      | -   | _    | 5   | -    | 0   |      | 0   |      | _   | -   | _   | -   | _   | _    | _   | 70        | 0   | -   | 0   | -        | -         | 3        | 70   | -     | 010      | =       | 0100     |
| W X                        | 7    |            |    | 0    | •   |      | 0   |      | •   |      |     |      |     |     |     |     |     |      |     |           |     |     |     | 0:       | 00        |          |      |       |          | •       |          |
| 5                          | Al   | 00         | 96 | 9    | 6   | 9    | 96  | 36   | 96  | 9    | 98  | 66   | 66  | 66  | 66  | 66  | 66  | 66   | 66  | 00        | 00  | 8   | 0   | 8        | 0         | 8        | 00   | 8     | 8        | 2       | 30       |
| VISIBILITY (STATUTE MILES) |      | 20         | 0  | 0    | 1   | •    | 0   | 0    | -   | 0    | 0   | •    | 3   | 1   | m   | ~   | 1   | 1    | -   | 10.       | ō   | 6   | 0   | 8        | 0         | 0        | 10.  | 8     | 0        | 5       | 0000     |
| E                          | 1.72 | - 3        | 4  | ;    | 5   | 5    | 0   | 0    | 96. | 98   | 98  | 6    | 66  | 6   | 66  | .66 | 66  | 66   | 66  | 00        | 00  | 0   | 0   | 00       | 00        | 0        | 00   |       | 0        | 3       |          |
| 1                          | Al   | 00         | 6  | 0    | 0   | 0    | 6   | 0    | 0   | 0    | 6   | 0    | 6   | 0   | 0   | 0   | 0   | 0    | 0   | -         | 10  | 10  | 10  | 20       | 01        | 10       | 2    | 10    | 100      | 2       | 100.0100 |
| N N                        |      | 00         | 0  | 0    |     | 3    | 0   | 0    |     | 0    | 0   |      | .3  | .3  | 3   |     | 3   | *    |     | 0.        | 0   | 0   | 0   | 0        | 0         | 0        | 0    | 0     | 0        | 2       | 00       |
|                            | N N  | 16         | 3  | *    | 3   | 2    | 96  | 96   | 0   | 8    | 98  | 66   | 66  | 66  | 66  | .66 | 66  | .66  | 66  | 00        | 00  | 00  | 00  | 00       | 00        | 00       | 00   | 000   | 00       | 001     | 000      |
|                            |      | m 0        | 5  | 0    | -   | ~    | 5   | 0    |     | 0    |     | -    | -   | ~   |     | ~   | -   | -    | -   | 7         | -   | 7   | Ä   | =        | 7         | Z        | H    | =     | =        | -       | 3 3      |
|                            | 275  |            |    |      |     |      |     |      | :   |      |     |      | •   |     | •   |     |     |      | •   | •         | •   | :   | •   | *        |           | -        | •    |       | •        | •       | 000      |
|                            | Al   | 6          | 96 | 3    | 6   | 0    | 6   | 36   | 96  | 98   | 98  | 66   | 6   | 66  | 5   | 66  | 6   | 56   | 66  | 00        | S   | 100 | Ö   | 100      | 00        | 00       | 00   | 00    | ŏ        | 0       | 50       |
|                            |      | 20         | 0  | 0    | m   | ~    | 0   | 0    | -   | 0    | 0   | m    | ~   | m   | ~   | •   | -   | 1    | -   | 6         | 6   | 3   | 5   | 3        | 5         | 3        | 5    | 5     | 6        | 5       | 100.0100 |
|                            | M AI | - 4        |    |      | 5   | 5    | 9   |      | 0   | .86  | 98  | 6    | 6   | .66 | 6   | 6   | 66  | .66  | 66  | 0         | 0   | 0   | 0   |          | 00        | 00       | 00   | 00    | 0        | 100     | 00       |
|                            | ^"   | 00         | 6  | 9    | 6   | 5    | 6   | 0    | 6   | 0    | 0   | 0    | 6   | 0   | 6   | 0   | 6   | o    | 0   | 00100     | 100 | 100 | 100 | 100      | 10        | 10       | 01   | 10    | 100      | 2       | 201      |
|                            |      | m C        | 0  | 0    |     | 14   | 0.  | 0    |     | 0.   | 0   | 5    |     | .3  | 643 | 6   |     |      |     | 0         | C   | 0   | 0   | 0        | 0         | 0.       | 0    | 0     | 0        | 2       | 00       |
|                            | AI   | 56         | 76 | 46   | 56  | 56   | 96  | 96   | 96  | 86   | 6   | 66   | 66  | 66  | 66  | 66  | 66  | 66   | 66  | 0         | 00  | 00  | 00  | 8        | 00        | 00       | 00   | 8     | 00       | 3       | 000      |
|                            |      | MO         | 0  | 0    | -   | -    | -   | 0    | -   | 0    | 5   | 4    | ~   | -   | -   | 100 | -   | 75   | -   | 0         | 30  | 3   | 3   | 3        | 5         | 3        | 7    | =     | 5        | 3       | 0010     |
|                            | •    |            |    |      |     |      |     | 3    | :   |      | :   |      |     |     | :   |     |     |      |     |           |     |     | :   | :        | :         | •        | :    | :     | =        | 3       |          |
|                            | AI   | 96         | 6  | 6    | 5   | 6    | 6   | 6    | 6   | 6    | 86  | 6    | 66  | 6   | 6   | 66  | 6   | 6    | 6   | 7100-0100 | ŏ.  | ŏ   | Ğ.  | 100.0100 | 7100.0100 | 100.0100 | 0010 | 00100 | 00100    | 010.001 | 100-0100 |
|                            |      | m C        | 0  | 0    | ~   | ~    | 0   | 0    | -   | 0    | 0   | M    | ~   | •   | ~   | m   | m   | m    | m   | 0         | 0   | 8   | 6   | 0        | 0         | 0        | 6    | 3     | 8        | 5       | 50       |
|                            | AI   | 91.3       | 4  |      | 5   | 3    | 9   | 9    | 8   | 98.0 | 98  | 66   | .66 | .66 | 66  | .66 | 6   | 66   | 6   | 0         | 0   | 0   | 0   | o        | 0         | 0        | ò    | ò     | 0        | 0       | 00       |
|                            |      | 1          | 1  | 0    | 1   |      | 1   |      |     |      | 1_  |      | -   | 3   | 0   | 0   | -   | 0    | 0   | 10        | 2   | 2   | 10  | 2        | 2         | 10       | 100  | 100   | 001/     | 3       | 30       |
|                            |      | 0          |    |      | 0   | 0    | 0   | 0    |     | 0    | 0   |      |     | -   |     |     |     | 1.   |     |           |     |     |     |          |           |          | -    |       |          | -       |          |
|                            | 2    | 72.0       | 14 | 74.  | 2   | 76.0 | 10. | 76.0 | 16. | 78.  | 8   | 78.  | 78. | 18  | 8   | 18  | 18. | 78   | 18. | 78.7      | 8   | 78. | 18  | 20       | .0        | 78.      | 8    | 78.   | 200      | 2       | 9 00     |
|                            |      | +-         | +  | _    | -   | _    | -   | _    | -   |      | -   | _    | -   | _   | -   |     | -   | _    | -   | _         | _   |     |     |          | -         |          | _    |       | -        | 1       |          |
| 9                          | _    | NO CEILING | 1  | 38   | 18  | 88   | 8   | 8    | 8   | 8    | 8   | 8    | 2   | 8   | 9   | 88  | 2   | 8    | 2   | 8         | 8   | 8   | 8   | 8        | 8         | 9        | 8    | 9     | 38       | 8       | 80       |
| CEILING                    | FEE  | O CEILIN   | 1  | 9 9  | 1 3 | 2000 | 100 | 8    | 1   | 700  | \$  | 2000 | 45  | 900 | 38  | 300 | 254 | 2000 | 1   | 1500      | 121 | 90  | 8   | -        | 1         | 4        | -    | 4     | F .      | ~       | -        |
| 2                          | -    | 9 ^        | 1  | IA I | 1   | IAI  | ٨   | IAI  | ^   | IAI  | ^   | IAI  | ^   | IA  | ^   | IAI | ^   | IAI  | A   | IAI       | ٨   | IAI | ٨١  | AI.      | 1         | IAI      | 1    | M     | AI.      | ۸١      | AIA      |
|                            |      |            | 1  | -    | _   | _    | _   |      | _   | -    | _   |      | _   |     | _   |     | _   | -    | _   |           | _   |     | _   | -        | _         | _        | _    | -     |          | _       |          |

TOTAL NUMBER OF OBSERVATIONS

150

-

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

VON

ALL HOURS (1877)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|                            |         | 0       | .2    | 5.  | 0   | 6     | .2    |     | 6.  |     | •    |       | 4.   | *    | .3  |     | . 3  |     | 6    | 6.  | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 20   | 0     | 0    |
|----------------------------|---------|---------|-------|-----|-----|-------|-------|-----|-----|-----|------|-------|------|------|-----|-----|------|-----|------|-----|------|-----|------|-----|-----|-----|-----|-----|-----|------|-------|------|
|                            | Al      | 90      | 40    | 96  | 16  | 93    | 96    | 95  | 96  | 97  | 97   | 86    | 66   | 66   | 60  | 66  | 66   | 66  | 66   | 66  | 00   | 00  | 8    | 00  | 001 | 00  | 001 | 00  | 8   | 001  | 8     | 38   |
|                            | 2       | 0       | .2    | *   |     | 6     | 2     | 8   | 0   | .5  | 6    | .5    | *    |      | .5  |     | 8    |     | 6    | 0.  | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | •    | 0     | 0 0  |
|                            | Al      | 06      | 36    | 46  | 46  | 95    | 96    | 96  | 96  |     | 26   | 86    | 66   | 66   | 66  | 66  | 6    | 66  | 8    | 66  | 8    | 00  | 0010 | 00  | 001 | 00  | 90  | 00  | 00  | 00   | 3     | 88   |
|                            | 91      | 0       | .2    | 4   | 0   | 6.    | 2     | 8   | 6   | . 3 | 0    |       | *    | 3.   |     |     | 8    |     | 0    | 6.  | 0    | 0   | 0    | 0   | 0   | 0   | 9   | 0   | 0   | 0    | 0     | 0    |
|                            | ≥ 5/16  | 06      | 46    | 76  | 56  | 36    | 98    | 96  | 96  |     | 97   |       | 66   | 66   | 66  | 66  | 66   | 66  | 66   | 66  | 00   | 60  | 00   | 00  | 00  | 00  | 00  | 00  | 00  | 00   | 000   | 88   |
|                            |         | 0       | 2     | *   | 0   | 0     | ~     | 20  | 0   | S   | 0    | 2     | *    | *    | 2   | -   | 8    | 00  | 0    | 0   | 5    | 0   | 0    | 6   | 5   | 0   | 5   | 0   | 0   | 0    | 5     | 56   |
|                            | VI<br>Z | 0       | 36    | 46  | 36  | 36    | 96    | 96  | 96  | 16  | 16   | 86    | 66   |      | 66  | 66  | 6    | 66  | 66   | 66  | 8    | 00  | 8    | 00  | 8   |     | 00  | 00  | 00  | 00   | 38    | 88   |
|                            |         | 0       | N     | 3   | 0   | 0     | ~     | 20  | 0   | 2   | 0    | 2     | •    |      | •   | -   | œ    | 00  | 0    | 0   | 6    | 0   | 3    | 0   | 0   | 0   | 3   | 0   | 0   | 0    | 5 6   | 0    |
|                            | *       | 06      | 36    | 76  | 94  | 93    | 96    | 96  | 96  | 16  | 97   | 86    | 66   | 66   | 66  | 66  | 66   | 66  | 66   | 66  | 00   | 00  | 00   | 00  | 00  | 00  | 00  | 00  | 00  | 00   |       | 80   |
|                            |         | 0       | ~     | *   | 9   | 6     | ~     | 0   | 5   |     | 0    | 2     | *    | *    | 2   | -   | (3)  |     | 0    | 0   | 0    | -   | 6    | 0   | -   | 0   | 0   | 10  | 5   | 0    | 5 6   | 4    |
|                            | N<br>N  | 0       | 94.   | 94. | 94. | 95    | 96    | 96  | 96  | 97. | 97.  |       | 66   | 66   | 66  | 66  | 66   | 66  | 66   | 66  | 00   | 00  | 00   | 00  | 00  | 00  | 00  | 00  | 00  | 00   | 200   | 9    |
|                            |         | 6       | _     | 3   | 2   | 00    | -     | 80  |     | 4   | 60   | 4     | m    | 6    | 4   | 0   | -    | -   | 8    |     | 6    | -   | 6    | -   | 3   | -   | 3   | 6   | 6   | 16   | 7 0   | 10   |
|                            | AI      | 6       |       | 4.  | *   | 3.    |       | 9   |     |     | 7    | 8     | 6    | 6    | 6   | 6   | 6    | 6   | 6    | 6   | 6    | 6   | 0    | 6   | 6   | 6   | 0   | 6   | 6   | 6    |       | 6    |
| (ILES)                     |         | 3       | 5 7   | 3   | 5   | 5     | 5 7   | 8   | 8   | 6 3 | 8    | 4     | 3    | 3    | 4   | 9   | 5    | 5   | 8    | 8   | 6    | 6   | 0    | 6   | 5   | 5 6 | 0   | 5   | 6   | 6    | 70    | 0    |
| VISIBILITY (STATUTE MILES) | 7       | 6       | *     |     | ;   | 5.    |       | 9   | •   | 7   | -    | 8     | 0    | 66   | 66  |     | 66   | 66  | 66   | 66  | 66   | 66  | 6    | 6   | •   |     | 6   |     | 6   | 66   |       |      |
| TAT                        | ^1      | 8       | 5     | 6   | 0   | 2     | 5     | 3 9 | 0   | 6   | 0    | 6     | 3    | 3    | *   | 5   | 8    | 6 1 | 20   | 7   | 4    | 6   | 0    | 5   | 0   | 6   | 0   | 5   | 6   | 6    |       | 6    |
| 17 (5                      | 7.      | 6       |       |     | *   | 5.    | 96    | 9   |     | 1.  | :    | 8.    | 6    | 6    | 66  | 9.6 | .66  | .66 | 66   | 66  | 66   | 6   | 66   | 66  | 66  | •   | 66  | 66  | 6   | 6    |       |      |
| SIBIL                      | Al      | 00      | 0     | 0   | 0   | 0     | 0     | 96  | 6   |     | 0    | 6     | •    | 6    | 0   |     | 0    | 0   |      |     | 0    |     | _    | 0   |     | 0   | 0   |     | 0   | 0    | > 0   | 0    |
| >                          | 7       | 6.6     | :     | 6.3 | 4.5 | 5.8   | 6.1   | 8.9 | 8.9 | 7.4 | 7.8  | 8 . 4 | 9.3  | 9.3  | 9.4 | 9.6 | 9.7  | . 6 | 9.8  | 3.6 | 6.6  |     | 6.6  | 6.6 | 6.6 | 6.6 | 5.6 | •   | 6.6 | 6.6  | 4 . 4 | 9.0  |
|                            | Al      | 8       | ō     | 6   | 6   | 6     | 6     | 5   |     | 6   | ò    | 0     | ŏ    | 66   | ō   | 66  | 0    | 66  |      |     | 66   |     |      | 6   | 6   | 6   | 0   | 6   | 6   | 0 0  | 7 0   | 6    |
|                            | 21/2    | 6.      | 1.    | . 3 | 4.5 | 8 . 8 | 6.1   | 8.9 | 6.8 |     | 7.8  | 3.4   | 6.6  | 6.3  | 4.6 | 9.0 | 7.6  | 1.6 | 8.6  | 9.6 | 6.6  |     | 6.6  | •   | 6.6 | 6.  | 6.6 | 6.6 | 6.6 | 6    | . 0   | 9.9  |
|                            | Al      | 3       | 6     | 6   | 3   | 6     | 6     | 6   | 5   | 6   | 5    | 5     | ŏ    | 5    | š   | 6   | 6    | 6   | 6    | 6   | ŏ    | 6   | 6    | 5   | ŏ   |     | ŏ   |     | 6   | 0    | Ď     | . 5  |
|                            | 9       | 6.      | 7:    | . 3 | .5  | . 8   | 7:    |     | . 8 |     | . 8  | 4.    | .3   | .3   | *.  | 9.  | 1.1  |     | .8   |     | 6.   |     | 6.   | 6.  |     |     |     | 6.  | . 9 | 0.   | . 0   | . 6  |
|                            | Al      | 8       | 94    | 46  |     | 95    | 96    | 96  |     | 16  | 97   | 98    | 66   | 66   | 66  | 66  | 66   | 66  | 66   |     | 66   | 66  | 66   | 66  | 66  |     | 66  |     | 66  |      | 7     | 99   |
|                            |         |         | 0     |     | 4   |       | 0     |     |     |     | 80   |       | .3   |      |     | . 5 | 0    | 0   | 80   |     | 80   | 20  | 20   | 20  |     |     | 100 |     | 00  | 00 0 | 0 3   | 9 00 |
|                            | Al      | 68      | 40    | 20  | 76  | 56    | 96    | 96  | 96  | 16  | 2    | 86    | 66   | 66   | 66  | 66  | 66   | 66  | 66   | 66  | 66   | 66  | 66   | 66  | 66  | 66  | 99  | 66  | 66  | 66   | 7 0   | 99   |
|                            | S       | 0       | 0     | 10  | 4   | 80    | 0     | -   | *   |     | 0    |       | 3    | •    |     |     | 9.   | 9   | *    |     | 20   | 30  | 10   |     | 0   | 8   |     |     | 20  | 30   | 9 3   | 0 0  |
|                            | AI      | 89      | 46    | 96  | 46  | 95    | 96    | 96  | 96  | 16  |      | 86    |      |      | 66  | 66  |      |     |      |     |      |     |      | 66  |     |     |     |     | 39  |      | 70    | 99   |
|                            |         |         |       |     | ~   |       |       |     | 4   |     |      | 0     |      |      |     |     |      |     |      |     | 4    |     | 3    | 4   |     |     | 4   |     |     | 3 .  | 3     |      |
|                            | AI      | 68      | 6     | 46  | 56  | 56    | 95    | 96  | 96  | 16  | 97   | 86    | 86   | 86   | 66  | 66  | 66   | 66  | 66   | 66  | 66   | 66  | 66   | 66  | 66  | 66  | 6   | 66  | 66  | 66   | 7 0   | 93   |
|                            |         | 00      |       |     |     |       | 80    |     | 7   |     | 0    |       |      |      |     | 3   | v    | S   | ~    | 5   |      | -   | -    | En. | in  |     |     |     | ~   |      | 0     | 7 10 |
|                            | 5       | 6       | 84    | 94  | 84. |       |       |     | 86. | 86  | 87.  | 87    | 88   | 38   | 80  | 88  | 88   | 88  | 88   | 88  | 88   | 88  | 88   | 88  | 88  | 83  | 88  | 88  | 88  | 80 0 | 000   | 8    |
| _                          |         | +       | -     | -   |     | -     |       | -   |     | -   |      | -     |      | -    | -   | -   |      | -   |      | -   |      | -   | _    | -   |     | -   |     | -   |     |      | +     | _    |
| CEILING                    | =       | CEILING | 20000 | 8   | 909 | 000   | 12000 | 900 | 8   | 000 | 7000 | 000   | 2000 | 1500 | 8   | 900 | 3000 | 200 | 2000 | 800 | 1500 | 200 | 900  | 8   | 80  | 8   | 8   | 200 | 8   | 8    | 8     | 80   |
| CEIL                       | E       | 9       | ۸I    |     | 1 1 |       | IAI   | 1   | AI  |     | IAI  | 1     | IAI  | 1    | IAI | 1   | IAI  | 1   | IAI  |     | IAI  | 1   | IAI  | A   | AI  | ٨   | IAI | AI  | AI  | AL   | AI    | ALAI |
|                            |         | Z       |       |     | _   | _     |       | _   |     | _   |      |       |      | _    | _   | _   | _    |     |      | _   |      | _   |      |     |     |     |     |     |     |      |       |      |

0

TOTAL NUMBER OF OBSERVATIONS

1200

1110

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20 20 DEC

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| 2       |      |         |      |      |       |      |      |          |       |      |      |      |      |        |       |       |
|---------|------|---------|------|------|-------|------|------|----------|-------|------|------|------|------|--------|-------|-------|
| (FEET)  | 2    | o<br>Al | S AI | 1    | 21    | > 2% | ~ AI | ۲۱<br>۲۲ | 71 71 | -    | * 1  | *    | Z AI | ≥ 5/16 | N AI  | ٨١    |
| CEILING | 0.09 | 87.1    | 87.1 |      | 1.    | 1.48 | -    | 87.1     |       | -    | 1    |      |      |        |       | 87.1  |
| 20000   | 60.7 | 87.7    | 87.7 | -    | :     |      | -    |          |       | -    | 1    |      |      |        | 88.4  | 88.4  |
| 18000   | 61.0 | 89.0    | 89.0 | 6    |       |      |      |          |       | 6    | 6    |      |      |        |       | 69.7  |
| 16000   | 61.9 | 0.68    | 89.0 | 89.0 | 89.0  |      | 89.0 | 89.0     | 89.0  | 89.0 | 89.0 | 89.0 | 89.0 | 89.0   | 89.7  | 89.7  |
| 14000   | 63.9 | 91.0    | 0.16 | -    |       |      | -    |          |       | -    |      |      |      |        |       |       |
| 12000   | 66.5 | 93.6    | 93.6 | 3    | 3.    |      |      |          |       |      |      |      |      |        |       |       |
| 10000   | 60.5 | 34.2    | 2.96 |      |       |      | :    |          |       |      | *    |      |      |        |       | 95.5  |
| 0006    | 66.5 | 2.56    | 94.2 |      |       |      |      |          | 8.76  |      | 94.8 |      |      |        | 95.5  | 95.5  |
|         | 6000 | 2.56    | 2006 | *    |       |      | ;    |          |       |      |      |      |      |        |       | 95.5  |
| 2000    | 66.5 | 84.2    | 2.46 | *    |       |      | ;    |          |       |      |      |      |      |        |       |       |
| 400     | 67.1 | 8.76    | 8.46 |      |       |      |      |          |       |      |      |      |      |        |       |       |
| 2000    | 67.1 | 8.96    | 8.46 | *    |       |      |      |          |       |      |      |      |      |        | 96.8  | 96.8  |
| 7600    | 67.7 | 95.5    | 95.5 | 5    |       |      |      |          |       |      |      |      |      |        |       |       |
| 98      | 67.7 | 96.1    | 1.96 | 0    |       |      |      |          | 97.4  |      |      |      |      |        | 98.1  | 98.1  |
| 3600    | 4.89 | 96.8    | 96.8 | G    |       |      |      |          |       |      |      |      |      |        |       | 98.   |
| 3000    | 68.4 | 96.8    | 96.8 | 96.8 | 8.96  |      |      | 98.1     | 98    |      |      |      | 96.1 |        | 98.7  | 98.7  |
| 2600    | 0.69 | 47.4    | 4.16 | -    |       |      |      |          |       |      |      |      |      | 3.     | 00    | 100.0 |
| 2000    | 0.69 | 97.4    | 4.16 | 97.4 |       |      |      |          | 4.66  |      |      |      | 4.66 | 4.     |       | 100   |
|         | 0.69 | 97.4    | 4016 | -    |       |      |      |          |       |      |      |      |      | *      | 00    | 1000  |
| 300     | 0.69 | 97.4    | 4.16 | 97.4 | 4.16  | 97.4 | 39.4 |          | 4.66  | 4.66 | 4.66 |      | 4.66 | 4.66   | 100.0 | 100   |
| 1200    | 0.60 | 91.4    | 91.4 | -    | 4.16  |      |      |          |       |      |      |      |      | *      | 00    | 100.  |
| 9       | 0.69 | 97.4    | 4.16 | -    | 4.16  |      | 4.66 |          |       |      |      |      |      | *      | 00    | 100.0 |
| 900     | 0.69 | 97.4    | 4016 | 4.16 | 4.16  |      |      |          |       |      |      |      |      | 3.     | 00    | 100.0 |
| 8       | 69.0 | 97.4    | 4.26 | -    | 4.16  |      |      |          | 4.66  |      |      |      |      | *      | 00    | 1000  |
| 700     | 0.69 | 4016    | 4010 | 4.16 | 4016  |      |      | 6        |       |      |      |      |      | 4.66   | 100   | 1000  |
| 9       | 0.69 | 97.4    | 4.16 | 97.4 | 4.16  |      | 4.66 | 6        | 4.66  |      |      |      |      |        | 100   | 10001 |
| 900     | 0.69 | 97.4    | 4.16 | 4.16 |       |      |      | 6        |       |      |      |      |      | 4.66   |       | 100.0 |
| 9       | 0.69 | 97.4    | 4.16 | 97.4 | 97.4  |      | 4.66 | 6        |       |      |      |      |      | 4.66   |       | 1000  |
| 300     | 0.60 | 37.4    | 4.10 |      | \$1.6 | 4.16 |      |          |       |      |      |      |      | 4.66   |       | 100.0 |
| 200     | 0.69 | 97.4    | 4.16 | 97.4 | 4.16  | 97.4 | 4.66 | 4.66     | -     | 4.66 | 4.66 | 4.66 | 4.66 | 4.66   | 0     | 0     |
| 8       | 0.59 |         |      |      | \$1.6 | 31.6 |      | 6        | 4.66  |      |      |      | 4.66 | 4.66   | 100.0 | 100.0 |
|         |      |         | -    |      |       |      |      |          |       |      |      |      |      |        |       |       |

SMOS

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155

TOTAL NUMBER OF OBSERVATIONS

23195

DIRNAVOCEANMET

1111

155

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

OEC 05

| CEILING    |     |         |       |      |      |      | VISIA | BILLITY (ST. | VISIBILITY (STATUTE MILES) | (\$3) |      |      |      |        |       |      |
|------------|-----|---------|-------|------|------|------|-------|--------------|----------------------------|-------|------|------|------|--------|-------|------|
| (FEET)     | 2 1 | o<br>Al | \$ 41 | 7    | e Al | Y 2% | 2 2   | ¥1 Y         | ¥1                         | -     | * AI | # AI | Z AI | 2 5/16 | AI AI | AI   |
| NO CEILING |     |         | 86.5  | 86.5 |      | 9    | -     | 1            |                            |       | 87.  | 87.  |      | 87.    | 87.1  | 88.4 |
| ¥ 20000    |     |         | 87.1  | 87.1 | 87.1 | 7.   | 87.7  | -            | 87.7                       | -     | 87.  | 87.  | 87.7 | 87.    | 88.4  | 69.0 |
|            |     |         | 87.7  |      | 7.   | 7    | 8     | 8            |                            | 8     | 88   | 88   |      | 88.    |       | 89.  |
| 14000      |     |         | 87.7  | -    |      | -    |       |              |                            | 8     | 88   |      | 88.4 | 88.    | 89.0  | 89.1 |
|            |     |         | 83.4  | 8    |      | 00   |       |              |                            | 6     | 89.  | 68   |      | 89.    |       | 90   |
| 12000      |     |         | 91.0  |      |      | -    | -     |              |                            | -     | 91.  | 5    | :    | 91.    | 92.3  | 92.  |
|            |     |         |       | 5    |      | 2.   | 2     |              |                            | 2.    | 92.  | 920  | 2.   | 92.    | =     | 94.  |
| 800        |     |         | 92.9  | 65.6 | 65.6 | 92.9 |       | 93.6         | 93.6                       | 93.6  |      | 93.6 | 93.6 |        | 94.2  | 95.  |
| 1          |     |         |       |      |      | 3    | *     |              |                            | *     | 96   | 94.  | 94.2 | 94.    |       | 96   |
| 141        |     |         | 93.0  | 3    |      | 3    |       |              |                            | ;     | 94.  | 3    | ;    | 94.    |       | 96   |
| 1          |     |         |       |      |      | 3    | 3     |              |                            |       | 96   | 94.  | 94.2 | 94.    |       | 96   |
| 800        |     |         |       | 34.2 |      | *    | 3     | 95.5         |                            |       | 95   | 95   | 5    | 95.    | 1006  | 97.  |
| 1          |     |         |       |      |      | *    |       |              |                            | 9     | 96   | 96   | 0    | 96     |       | 98   |
| 904        |     |         |       |      |      |      | .0    |              |                            | 96.1  |      | 96   | 96.1 |        | 96.8  | 98   |
|            |     |         |       | 95.5 |      | 5    | 9     |              |                            | 0     |      | 96   | 0    |        |       | 98.  |
| 300        |     |         |       | 1.96 |      | 9    | -     |              |                            | 97.4  |      | 97.  | 97.4 |        |       | 66   |
|            |     |         |       | 1.96 |      | 9    | -     |              |                            | -     |      | 97.  | 41.4 |        |       | 99.  |
| 200        |     |         | 96.8  |      |      | •    | 8     |              | 98.1                       | 8     |      | 98   | 8    |        | 1.86  | 00   |
|            |     |         |       | 96.8 |      | 9    | *     | 98.1         |                            | 98.1  |      | 86   | 98.1 |        |       | 00   |
| 1 200      |     |         |       |      |      | 9    | 98.1  |              | 98.1                       | 98.1  | 1.86 |      | 98.1 | 98.1   | 198.7 | 00   |
|            |     |         | 96.8  | 96.8 |      | 9    |       | 98.1         | 98.1                       | 98.1  | 98.1 | 98.1 | 1.96 | 98.1   |       | 00   |
| 141        |     |         | •     |      | 8.96 | 9    |       | 98.1         | 1.86                       | 98.1  | 98.1 |      | 98.1 | 98.1   |       | 001  |
|            |     |         | 9006  | 96.8 |      | •    |       | 98.1         | 98.1                       | C     | 98.1 | 98.1 | 98.1 | 98.1   |       | 00   |
| 8          |     |         | 90.96 |      |      | 9    | *     | 98.1         | 98.1                       |       | 1.86 | 98.1 | 98.1 |        |       | 00   |
|            |     |         | 96.8  |      |      | 9    | 8     | 1.86         | 98.1                       | 8     |      |      | 98.1 |        |       | 00   |
| 8          |     |         | 36.8  |      |      | •    |       |              | 98.1                       |       |      | 98.1 | 98.1 | 98.1   |       | 00   |
|            |     |         |       | 96.8 | 9008 | 9    | 8     | 98.1         | 98.1                       | 8     |      |      | 98.1 |        | 98.7  | 00   |
| 8          |     |         |       | 96.8 | 8.06 | 8.96 | 98.1  | 98.1         | 98.1                       |       | 98.1 | 98.1 | 98.1 | 98.1   | 7.86  | 00   |
| 88         |     |         |       |      |      | \$   | •     | 98.1         | 98.1                       | 98.1  |      |      | 98.1 |        |       | 00   |
|            | •   | •       | •     | 200  | 30.0 | •    |       | 100          |                            |       | 1.86 | 78.1 | 100  | •      |       | 00   |
| 80         | 000 | 000     | 900   | 000  | 900  | 900  | 1.86  | 000          | 200                        | 200   | 96   | 98.1 | 0 8  | 980    | 98.7  | 000  |
|            |     | •       | • 1   | •    |      | •    |       |              |                            |       |      |      |      | *      |       |      |

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DEC MONTH OB

| CHINA      |      |      |      |      |      |      | VISIN | BILITY (ST. | VISIBILITY (STATUTE MILES) | S    |         |      |      |        |       |      |
|------------|------|------|------|------|------|------|-------|-------------|----------------------------|------|---------|------|------|--------|-------|------|
| (FEET)     | 2    | 4 AI | 8 41 | 7    | e Al | 2 2% | 1 A 3 | ×1 ×1       | ¥1 V                       | Ā    | ₹<br>Al | # 1  | × AI | ≥ 5/16 | N AI  | 1    |
| NO CEILING |      | 81.9 | 81.9 | 81.9 | -    | 81.9 | 2.    | 2           | 82.6                       | 2.   |         | 2    | 2    | 82.6   | 3.    | 83.  |
| ≥ 20000    | 86.3 |      | 87.1 | 87.1 | 87.1 | 87.1 |       | 87.7        | 87.7                       | 87.7 | 87.7    | 87.7 | 87.7 | 87.    | 88.4  | 88   |
|            |      |      | -    | -    | 87   |      | :     |             | -                          | -    |         |      |      |        | 8     | 88.  |
| 141        |      |      | -    |      | 87   |      |       |             |                            | -    |         |      |      | 87.7   |       | 88.  |
|            |      |      | 8    | 88.4 | 88.  |      |       |             | 6                          | 6    |         |      |      | 89.    | 6     | 89   |
| 12000      |      | •    |      | 91.0 | 91.  |      | -     | •           |                            | -    | -       |      |      | 91.    | 2     | 92.  |
| 1 -        |      |      | -    | 91.6 | 91.  |      |       |             | 2.                         | 2.   | 2.      |      |      | 92.    |       | 93.  |
| 000        |      |      | =    | 91.6 | 6    |      | 92.3  |             |                            | 92.9 |         |      |      | 51     |       | 93.  |
| 1          |      |      | 3    | 93.6 | 93.  |      | 3     |             |                            | 4    |         |      |      | 94.    |       |      |
| 700        |      | •    |      | 94.2 | 40   |      | ;     |             | ;                          |      |         |      |      | 95.    |       | 96   |
| 1          |      |      | :    | 8.96 | 96   |      | 3     |             | 5                          | 9    |         |      |      | 96     |       |      |
| 2000       |      |      | ;    | 8.46 | 96   |      |       | •           |                            |      |         |      |      | 96     |       |      |
| 1          |      |      | *    | 94.8 | 94.  |      | 5     |             |                            | 9    |         |      |      | 96     |       |      |
| 141        |      | •    | *    | 8.46 | . 46 |      |       |             | 3                          | 9    |         |      |      |        |       |      |
|            |      |      | 3    | 95.5 | 95.  |      |       |             | 9                          | 9    |         |      |      | 96     |       |      |
| 300        | 94.8 | 95.5 | 95.5 | 95.5 |      | 95.5 | 1.96  | 96.1        | 96.1                       | 8.96 | 96.8    | 8.96 | 96,8 | 96     | 97.4  | 97.  |
| 1          |      |      |      | 1.96 | 96   |      |       |             | 9                          | -    |         |      | 10   |        |       | 98.  |
| 7000       |      | 96.8 | •    |      | 9    |      | :     |             |                            |      |         |      |      | 98     | 7.96  | .86  |
| 1          |      |      | 9    |      |      |      |       |             |                            | 8    |         |      | 1 .  |        |       | 98.  |
| 1300       | 96.1 |      | •    |      | .0   |      |       |             | -                          | 00   | 98.1    | 1.86 |      |        |       | . 86 |
|            | 96.1 |      | .0   |      |      |      |       |             | 8                          | 003  |         | 98.7 | 8    | 1      | 4066  | 99.  |
| 90         | 1.96 | 96.8 | .9   | 8.96 |      |      |       |             | 98.1                       | 48.7 | 1.86    | 18.1 | 98.7 |        | 4.66  | 66   |
|            | 96.1 |      | •    |      | •    |      |       |             |                            |      |         | 98.7 |      | _      | 4.66  | 66   |
| 8          | 1.96 |      |      |      |      | -    | 96.1  |             |                            | 98.7 | 1.86    | 98.7 | 98.7 | 98.7   | 4.66  | 66   |
|            | 1.96 |      | 9    |      |      | -    | 98.1  | 1.86        | 8                          | 98.7 | 48.7    | 1.86 | 00   | 98.7   |       | 99.  |
| 8          | 1.96 |      |      |      | :    | -    |       | 98.1        |                            |      |         | 186  | 98.7 | 98.7   | 4.66  | 99.  |
|            | 1.96 |      |      |      |      | -    | 98.1  | 1.86        | 9                          | 98.7 | 98.7    | 7867 |      | 98.7   | 40.66 | 99.  |
| 8          | 1.96 |      | ;    |      | ;    | 91.4 |       | 1.96        |                            | 98.7 |         | 98.7 | 98.7 | 98.7   |       | 99.  |
| 1          | 1.96 |      | 9    |      |      |      | 1.86  | 98.1        | 98.1                       | 98.7 | 1.86    | 186  | 98.7 | 98.7   | 40.66 | .66  |
| 8          | 1.96 |      | ;    | 8.96 |      | 1.   | 98.1  | 98.1        | 98.1                       | 7.86 | 1.86    | 98.7 | 48.7 | 98.7   | 4.66  | 99.  |
|            | 1.96 | 96.8 | 8.96 | 96.8 | 9006 | 97.6 | 98.1  | 98.1        |                            | 98.7 | 98.7    | 98.7 | 98.7 | 1.86   |       | 66   |
| ٥          | 96.1 |      |      | .9   |      | 97.4 |       | 98.1        | 98.1                       | 98.7 |         | 98.7 | 98.7 |        | 4.66  | 00   |

155

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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARILUNA

23195

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11 HOURS (L S T ) DEC

200

| CEILING    |      |      |       |      |      |      |      | AISIBIELLY (SIALOIS | AIOIE MILES | (6)  |         |      |      |        |         |    |
|------------|------|------|-------|------|------|------|------|---------------------|-------------|------|---------|------|------|--------|---------|----|
| (FEET)     | 2 1  | 41   | \$ 41 | *    | 1 3  | 2 2% | Z 2  | ¥1 ¥                | ¥1 Y        | -    | %<br>Al | *    | 8    | 2 5/16 | %<br>Al | ٨١ |
| NO CEILING | 18.1 | 78.7 | 0     | 6    | 0    |      | 0    |                     | 0           | 0    | 6       |      | 6    |        | 0       | 80 |
| ≥ 20000    | 87.7 | 88.4 | 6     |      |      |      | 5    |                     |             | 6    |         |      | 6    |        | 6       | 68 |
|            | -    | 88.4 | 6     |      | 6    |      | 6    |                     | 6           | 6    |         |      |      |        | 6       |    |
| 2 16000    | 87.7 | 88.4 | 6     |      | 6    |      | 6    |                     | 6           | 6    | 6       |      |      |        | 89.7    | 89 |
|            |      | 89.7 | :     | -    |      |      | -    |                     | -:          | -    |         |      | -    |        | :       |    |
| 12000      |      |      | 5     | 2    | 2    |      | 2.   |                     |             | 2    | 3       |      | 5    |        | 2.      | 92 |
|            | 91.0 |      | 2.    | ~    | 2.   |      | 2.   |                     | 2           | 2    |         |      | 2.   |        | 3       |    |
| 900        |      |      | ;     | :    | *    |      | *    |                     | *           | ;    |         |      | ;    |        |         | 46 |
| 1          |      |      | 5     |      | 5    |      | 5    |                     | 5           | 5    | 5       |      | 5    |        | 5       | 98 |
| 700        |      |      | 9     | •    |      |      |      |                     |             |      | •       |      | ;    |        | 1.96    | 96 |
| 1          |      |      | 9     |      |      |      |      |                     | 9           | 9    | 0       |      | 0    |        | 9       | 96 |
| 2000       |      |      | 9     | •    |      |      |      |                     | 0           | è    |         |      | 0    |        |         | 96 |
| 1          | 94.9 | 95.5 |       | 96.8 | 0    |      |      | 8.96                | 90.96       | 96.8 | 8.96    | 8.96 | 96.8 |        | 96.8    | 96 |
| 900        |      |      | .0    |      |      |      |      |                     | •           | .9   |         |      |      |        | ;       | 96 |
|            |      |      | 9     | 9    | 9    |      | .9   |                     | 9           | 0    | 9       |      | 0    |        | •       | 96 |
| 3000       |      |      | -     | 4.4  | -    |      | -    |                     | 97.4        | -    | -       |      | -    |        | 97.4    | 97 |
|            | 94.8 |      | -     |      | 4.16 |      |      |                     |             |      |         |      | -    |        | 97.4    | 97 |
| 7 2000     |      |      |       | 98.1 |      |      |      |                     | 8           | *    | *       |      | 8    |        | 8       | 86 |
|            |      | 96.1 |       | 1.86 |      |      | 8    |                     |             | 8    | 1.96    |      |      |        | 00      | 98 |
| 1500       |      | 1.96 | 98.1  | 98.1 | 1.86 |      |      |                     |             | 8    | 1.86    |      | *    | 98.1   |         |    |
| -          |      | 1096 | 8     |      |      |      |      |                     |             | 8    | 68.7    |      |      |        |         | 86 |
| 90         |      | 96.1 | 1.86  | 98.7 |      |      |      |                     | 8           |      | 7.86    |      |      |        |         |    |
|            |      | 96.1 | 98.1  | m    |      |      | *    |                     |             | 8    | 98.7    |      |      |        | 98.7    | 98 |
| 8          | 2    | 96.1 | 1.86  | 8    | 98.7 | 98.7 |      | 48.7                | 98.7        | 98.7 | 98.7    | 1861 | 98.7 | 98.7   |         |    |
|            | 95.5 | 96.1 | 98.1  | 8    |      |      |      |                     | 8           | 8    | 186     | 8    |      |        | 0       |    |
| 8          |      | 96.1 | 98.1  | 00   | 8    |      |      |                     | 8           |      | 98.7    |      |      |        |         |    |
|            | 95.5 | 96.1 | 98.1  |      |      |      |      |                     |             | 8    | 98.7    | 8    |      |        | 00      | 98 |
| 90         |      | 1.96 | 98.1  |      |      |      | *    |                     |             | 8    | 1.86    |      |      |        | 98.7    | 98 |
|            |      | 96.1 | 1.86  |      | •    |      |      |                     |             |      | 1.86    | 8    |      | 98.7   | 0       |    |
| 300        | 95.5 | 96.1 | 98.1  | 98.7 |      |      | 98.7 |                     |             | •    | 98.7    |      |      |        | 4066    | 66 |
| 81         |      | 1.96 | 1.86  | 4.86 | 1.86 | 1.86 |      | 48.7                | 7.86        | 98.7 | 1.86    | 1.86 | 186  | 98.7   | 4.66    | 66 |
|            |      |      |       |      |      |      |      |                     |             | 1    |         |      | -    |        |         |    |

0110

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

23195

73-77

DEC

100

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DEC DEC 17

23

| NO.   |                            | Al   | 83   |
|---|----------------------------|--|--|
|   |                            | ≥ 5/16   | 83.2   |
|   |                            | Z A!   | 83.2   |
|   |                            | *  | 2.68   |
|   |                            | %<br>Al  | 83.2   |
| RENCE   | 6                          | -<br>AI  | 83.2   |
| PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) | VISIBILITY (STATUTE MILES) | ¥1   | 83.2   |
| OF C  | HUTY (STA                  | ۲۱<br>۲۰   | 83.2   |
| JENCY   | VISI                       | ~<br>Al  | 83.2   |
| FREGI   |                            | > 2%   | 2.68   |
| TAGE<br>ROM I   |                            | e Al   | 83.2   |
| ERCEN<br>(F   |                            | 4  | 83.2   |
| •   |                            | ۶۰<br>۸۱   | 33.2   |
|   |                            | o<br>Al  | 83.2   |
|   |                            | Y 10 Y 6 Y 5 Y 4 Y 3 Y 21/5 Y 1/5 Y 1/5 Y 1/5 Y 1/5 Y 5/16 | 82.6   |
|   | EILING                     | (FEET)   | CEILING 82.6 83.2 83.2 83.2 83.2 83.2 83.2 83.2 83.2 |

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|  | 00000000                                |
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| 000000000000000000000000000000000000000  | 2 4 4 4 4 4 4 4                         |
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| EEET) 20000 20000 300000 300000 3000000  | 8 88 88 86 80                           |
| CELLING   CELL | 1 ALAL ALAL ALAL ALAL                   |
| ž  |   |

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMAS ARIZONA

23195

73-77

11

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DEC MONTH

Ē

|                            | 0    | 3.5        |       | 0.3 | 0.3      | 2.3   | 4.2   | 5.5  | 9    | 7.4 | 8.1   | 8     | 8.   | 9.6 | 9.4   | 9.6 | 9.6  | 0.0   |      | 0.0   | 0    | 0.0 | 0    | •    | •    | 0.0  |       | 0.0   |     | 0    | •   | 0.0   | •   |
|----------------------------|------|------------|-------|-----|----------|-------|-------|------|------|-----|-------|-------|------|-----|-------|-----|------|-------|------|-------|------|-----|------|------|------|------|-------|-------|-----|------|-----|-------|-----|
|                            | ٨١   | 88         |       | 6   | 90       | 6     | 46    | 6    | 96   | 0   | 0     | 0     | 6    | 66  | 0     | 0   | ŏ    | Ŏ10   | -    | 10    | 100  | 100 | ~    | -    | 100  | 100  | 801   | 0010  | 8   | 0010 | 910 | -     | 001 |
|                            | 7    | -          | 0.3   | 0.3 |          |       | 4.2   |      |      | 4.4 |       |       | 8.7  | 9.6 |       |     |      |       |      | 0.0   | 0.0  | 0.0 | 0.0  | •    | 0.0  |      |       | 0.0   | 0.0 |      | 0.0 | 0.0   | •   |
|                            | ٨١   | 80         | 0     | 6   | 6        |       | 0     | 6    | 96   | 0   | 6     | 86    | 0    | 66  | 5     | 5   |      | 001   | 100  | 100   | 100  | 100 | 100  | -    | 001  | 0010 | 100   | 010   | 001 | 0    | 100 | 01    | 010 |
|                            | 5/16 | 3.8        | 0.3   | 0.3 | 0.3      | 2.3   | 4.2   | 5.5  | 6.1  | 4.4 | 8.1   | 8     | 8    | 9.6 | 4.66  |     |      | 0.0   | 0.0  | 0.0   | 0.0  | 0.0 | •    | 0.0  | 0    | 0.0  |       | 0.0   | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 |
|                            | Al   | 88         |       | 06  |          | 0     | 0     | 5    | 2    | 0   | 0     | 86    | 0    | -   |       | 1_  |      | 100   | 100  | 100   | -    | -   | -    | 100  | 100  | 100  | 0010  | -     | 100 | 2    | 100 | 01    |     |
|                            | 2    | 3          | 0.3   |     | 0.3      |       | 4.2   |      |      | 4.4 | 8.1   | 8     |      | 9.6 |       |     | 9.6  | 0.0   | 0    | 0.0   | 0.0  | 0.0 | 0.0  | 0    |      | 0.0  | 3     | 0.0   | 0.0 | 0    | 0   | 0     | •   |
|                            | AI . | _          | 3     | 0   | 0        | 6     |       | 3 95 | 6    | -   | 86    | 86    | 86   | 6   | 66    | 1_  |      | 001   | 100  | 100   | 200  | 100 | 100  | 0010 | 100  | 010  | 200   | 001   | 001 | 200  | 001 | 0     | 001 |
|                            | *    | 5.8        | 0     |     | 0.3      | 2     | 4.2   | 5    |      | 4:4 | 8     | 8     |      | 9.4 | 9.4   |     | 4.6  | 0     | 0    | 0     | 0    | 0.0 | •    | 0    | 0    | •    | •     | 0.0   | 0   | 0    | •   | 0     | •   |
|                            | AI   | 8          | 0     | 6   | 6        | 6     |       | 6    | 5    | 0   | 0     | 86    | 0    | 0   | 0     | 0   | 6    | 01    | 010  | -     | 100  | 10  | 010  | 10   | 20   | 010  | 20    | 010   | 100 | Ď,   | 100 | 2     | 200 |
|                            | *    |            | 0.3   |     |          |       | 4.2   | 5    |      | -   | 8     | 8     | 98.  | 9.6 | 4.66  |     |      | 0.0   | 0.0  |       | 0.0  | 0.0 |      | •    | 0.0  | 0.0  | 0.0   | 0.0   | 0   | 0.0  | 0   | 0     | •   |
|                            | ٨١   | 80         | 6     | 6   | 6        | 6     | 0     | 6    | 6    | 6   | 0     | 6     | 0    | 6   | 0     | 66  | 6    | 01    | 20   | 10    | 20   | 10  | 100  | 001  | 5    | 070  | 2     | 010   | 001 | 010  | 100 | 01    | 001 |
|                            | -    | 5.         | 0     | 0   | 0.3      | 20.3  | 4 . 2 | 5    | 6.1  | 1.4 | 8     | 8     | 2    | 9.6 | 9.6   | 4.6 | 4.6  | 0.0   | 0    | 0.0   | 0.0  | 0.0 | 0    | 0.0  | 0    | 0.0  | 0.0   | 0     | 0.0 | 0    | 0.0 | 0.0   | 0   |
| LES)                       |      | _          | 9     | 2   | 0        | 3     | 9     | 6    | 6    | 6   | 3     | 5     | 0    | 6   | 0     | 5   | 0    | 01    | 2    | 01    | 10   | 100 | 100  | 100  | 10   | 01   | 100   | 100   | 10  | 100  | 100 | 0     | 001 |
| TE MI                      | 7.1  | 5.8        | 6.0   |     | 6.0      |       | 4.2   |      | 6.1  | 4.  | 8.1   | 8.7   | 8.7  | 9.6 | 9.6   |     |      | 0.0   |      |       | 0.0  | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0 | 0.0  | 0.0 | 0.0   | •   |
| VISIBILITY (STATUTE MILES) | ٨١   | 20         |       |     | 90       | 2     | 0     | _    | 0    | •   | 0     | 86    | 0    | 0   | 0     | 0   |      | 01    | 100  | 100   | 100  | 100 | 100  | 100  | 100  | 01   | 100   | 001   | 100 | 100  | 100 | 01    | 001 |
| 17 (S                      | 7.   | 8.         | 0.3   |     | 6.0      | 2.3   | 4.2   | 5.5  |      | 4.  | 8.1   | 18.   | 8.7  | 4.6 |       |     | 4.6  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 |
| 318                        | AI   | 00         |       | 0   | 0        | 6     | 0     | 6    | 0    | 0   | 0     | 6     | 0    | 0   | 0     | 6   | 0    | 10    | 10   | 10    | 10   | 01  | 2    | 100  | 100  | 100  | 20    | 10    | 100 | 100  | 100 | 100   | 001 |
| >                          | 7    |            |       |     | 6.0      |       | 4.2   |      | 6.1  |     | 8 . 1 | 8 . 7 | 8.7  | 3.4 | 9.4   |     | 4.6  | 0.0   |      | 0.0   | 0.0  | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 |
|                            | ۸ı   | 80         | 0     |     |          | 6     |       | 6    | 6    | 6   | 0     |       |      | 6   | 0     |     | 0    | 10    | 2    | 10    | 01   | 10  | 01   | 10   | č    | 100  | č     | 01    | 10  | 100  | 10  | 001   | č   |
|                            | 21/2 | 5.8        | 0.3   | 0   | .0       | 2.3   | 4.2   | 5.5  | 5.   |     | 8.1   | 8     | 8.7  | 9.6 | 4.6   | 9.6 | 9.6  | 0.0   | 0.0  | 0     | 0    | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0 | 0.0  | 0.0 | 0.0   | •   |
|                            | ٨١   | 1_         |       | 8   | 3        | 0     | 46    | 95   | 96   | 6   | 0     | 86    | 5    | 66  | 2     | 66  | 5    | Ŏ     | 10   | 10    | 100  | 10  | 100  | 01   | 100  | 01   | 100   | Ŏ.    | 100 | 01   | 100 | Ö.    | 001 |
|                            |      | 5.8        |       | 0.3 | 6.0      | 2.3   | 4.2   | 5.5  | 6.1  | 4.  | 8.1   | 8.7   | 8.7  | 9.6 | 9.6   | 9.6 | 9.6  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0     | 0.0   | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 |
|                            | ٨١   | 63         | 0     | 6   | 6        | 6     | 0     | 5    | 0    | 6   | 6     | 6     | 6    | 66  | 6     | 6   | 6    | 01    | 10   | 01    | 100  | 10  | 100  | 001  | 100  | 01   | 100   | 01    | 10  | 01   | 0   | 01    | 0   |
|                            | •    | 5.8        | E . 0 | 0.3 | 0.3      | 2.3   | 4.2   | 5.5  | 6.1  | 6.8 | 7.4   | 8.1   | 8.1  | 8   | 6.7   | 8.  | 8.7  | 4 . 6 | 4.6  | 5.6   | 4.   | 9.4 | 4.   | 6    | 4.   | 9.6  | 4.6   | 5 . 6 | 4.6 | 4.6  | 4.6 | 9 . 6 | 7.  |
|                            | ٨١   |            | 0     | 90  | 0        | 0     | 0     | 6    | 0    | 0   | 0     | 6     | 0    | 98  | 0     | 6   | 0    | 5     | 0    | 0     | ò    | 0   | 0    | •    | 0    | 6    | 9     | 5     | ò   | 5    | 0   | 0.    | •   |
|                            | 9    | 5.8        | 0.3   | 0.3 | 0.3      | 2.3   | 4.2   | 5.5  | 6.1  | 9.9 | 7.4   | 8.1   | 8.1  | 8.7 | 8.7   | 8.  | 8.7  | 9.4   | 9.4  | 9.6   | 4.6  | 3.4 | 4.6  | 4.6  | 4.6  | 3.4  | 4.    | 9.4   | 4.6 | 4.   | 4.6 | 3.6   | *** |
|                            | Al   | 8          | 0     | 6   | 0        | 0     | 0     | 6    | a    |     | 6     | 86    |      | 86  | 6     | 0   | 6    | 0     | 0    | 0     | 0    | 6   | 0    |      | 6    | 6    | 66    |       | ó   | 6    | 6   | 0     | ,   |
|                            | •    | 5.8        | 0.3   | 0.3 | 0.3      | 2 . 3 | 4.2   | 5.5  | 96.1 | 6.8 | 7.4   | 8.1   | 8.1  | 8   | 8.7   | 8   |      | 8     | 8.1  | . 0   | 8.7  | . 8 | 9    | 9    | 8    | 8    | 8.1   | 2     | 8.1 |      | 8.7 |       | 8   |
|                            | ٨١   |            |       |     |          | 1     |       |      |      |     |       | 1     |      | 1   |       | 1   |      | 1     |      | 1     | -    | _   | -    | _    | 98   |      |       |       |     |      | 98  | 0     | `   |
|                            | 2    |            |       |     | 5.8      | :     | 0.69  | 0    | 71.0 | 1.0 | 71.6  | 2.3   | 72.3 | 2.5 | 72.3  | 2.3 | 2.3  | 2.3   | 72.3 | 2 . 3 | 2.3  | 2.3 | 72.3 | 7.   | 72.3 | 4.3  |       | 6.3   |     |      | 2.3 | 7.    | 6.3 |
|                            | AI   | 0          | 65    | 0   | 9        | 0     | 0     | 1    | -    | -   | -     | 1     | 7    | -   | 7     | 1   | 1    | 1     | -    | -     | _    | -   | -    | -    | -    | -    | _     | 7/    | -   | -    | _ 1 | -     | _   |
| 9                          | F    | SME        | 20000 | 000 | 16000    | 8     | 8     | 8    | 000  | 8   | 200   | 8     | 2000 | 1   | 1000  | 8   | 3000 | 8     | 2000 | 8     | 1500 | 8   | 1000 | 8    | 00   | 8    | 90    | 8     | 400 | 8    | 200 | 8     | 0   |
| CEILING                    | FEE  | NO CEILING | 7 20  |     | 9<br>141 | 140   | 12000 | 1 6  | 141  | 1   | 141   | 1     | 111  | 1   | 11 11 |     | 38   |       | 141  |       | 2    |     |      |      | A    |      | 1 1 1 |       | M   |      | 141 | AI    |     |
|                            |      | Ž          |       |     |          |       |       | L    |      |     |       | L     |      | L   |       | 1   |      | L     |      |       |      |     |      |      |      |      |       |       |     |      |     |       |     |

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THE METHER SERVICE DETACHMENT, ASHEVILLE, NC

2.3 HOURS (1.5.7.) DEC PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|                            | _        | Te :    | -       | -     | _       |       | _       | -     | _      | 1-   | _    |      | _     | -    | _     | 1.4  | _    | -     | _      | -    | _      | -     | _      |       | -    | -    | _    | -     | _    |        |      |       |
|----------------------------|----------|---------|---------|-------|---------|-------|---------|-------|--------|------|------|------|-------|------|-------|------|------|-------|--------|------|--------|-------|--------|-------|------|------|------|-------|------|--------|------|-------|
|                            | 0 11     |         |         |       | 90.3    |       | 94.8    | 96.8  | 97.4   | 97.4 | 97.4 | 98.1 | 99.4  | 99.4 | 4.66  | 99.4 | 99.4 | 00.00 | 0000   | 0000 | 0000   | 0000  | 00.00  | 0000  | 0000 | 0000 | 000  |       | 000  | 000    |      |       |
|                            | 2        | 1       |         | 0     | 8006    |       | 4.8     | 8.9   | 7.4    | 4.16 | 7.4  | 8.1  | 4.66  | 4.6  | 4.6   | 4.66 | 4.6  | 10.0  |        | 0.01 |        | 0.01  | 10.0   | 10.0  |      | 0.01 | 10.0 |       |      | 0.0    |      | 0.0   |
|                            | A1 9     | 1       | 8 0     | -     | 3       | 1     | 8       | 96 8  | 14 97  | -    |      | 119  | 6 4   | 4    | 66 5  | 6 4  | 6 4  | 0010  | 0010   | 0010 | -      | -     | 0010   | 0010  | -    | -    | 0010 | -     | 0010 | 010    | 0    | 2     |
|                            | 18       | 0       |         |       | 0       | 0     |         |       | 97     | 97   | 97   | 98   | 66    | 66   | 66    | 66   | 66   | 100   | -      | 100  | 100    | -     | -      | -     | -    | -    | 100  | -     | -    | 100    | 00   | 100   |
|                            | Z<br>Al  |         | . •     |       | 90.3    |       |         |       | 97.4   | 4.16 |      | 1.86 | 4.66  | 4.66 | 4.66  | 4.66 | 4.66 | 0000  |        | 0000 | 0000   | 0000  | 000    | 0000  |      | .00  | 0000 | 0     | 0000 | 0000   | 0    | 0     |
|                            | *        |         |         |       | 19.7    |       | 200     |       | 8.96   |      | 8.90 | 3.11 | 18.7  | 18.7 | 18.7  | 18.7 | 18.7 |       | 10:41  | 6    |        | 14:60 | 10.66  | 19:66 | •    | 6    |      | 6     | 9.41 | 7.0    |      | 19.4  |
|                            | *        | 2       | 3.      | 9.7   |         | _     | 4.2     | 7:    | 8.9    | 0    | 80   | *    | 8.7   |      | -     |      |      | 5.    | 3      | 3.   | 4      | 5 4.6 | 4      | *     | 4    | *    | *    | *     | *    | 4 4    | 3    | *     |
|                            | AI .     | 5 8     | 4       | 7 8   |         | 6 9   | 2 9     | 6     | 0      | 6    | 6 8  |      | 6     | 6 1  | 6     | 6    | 7    | 6 4   | 4 99   | 6 4  | 6 4    |       | 6 4    | 66 4  | 6 4  | 66 7 |      |       | 4    | 4 99   | 6    | 4     |
| LES)                       | ŽĮ.      | 80      |         |       | 8       | 5     | _       |       | 96     | 0    | 96   |      | 9     |      | 96    |      | 98   |       | 66     |      | 66     | 66    | 56     | 66    | 66   | 66   | 66   | 66    | 66   | 66     | 66   | 66    |
| TUTE MI                    | 7        | 84.5    | 88.4    | 89.7  | 89.7    | 91.6  |         |       | .9     | 9    |      |      | 98.7  |      | 7.86  | 8    | 7.86 |       | 4.66   | 4.66 | 4.66   | 4.66  | 4.66   | 7.66  | 4.66 | 6    | 99.4 | 6     | 99.4 | 7 66   | 3.66 | 99.4  |
| VISIBILITY (STATUTE MILES) | ۲۱<br>۲۲ |         | 88.4    |       | 89.7    |       | 94.2    |       | 80.06  |      |      | 4.16 |       | 1.86 | 7.86  | 7.86 | 1.86 | 4.66  | 4.66   | 5.66 | 4.66   | 39.4  | 4.66   |       | •    | 7.66 |      | 4.66  |      | 7.66   |      | 4.66  |
| VISIB                      | 2 Al     | 4.5     | 4       | ~     | 4.1     | 9.    | 4.2     | 7     | 8.9    | 00   | 8.0  | 7.4  | 8 . 7 | 1.   | 1.8   | 1.   | 8.7  | *     | 4.6    | 3.   | 4.6    | 4.    | 4.6    | 4.66  | 4.6  | 4.6  | 4.6  | 4.    | 4.6  | 7.6    | 3.0  | 4.6   |
|                            | 5 2%     | 4.5     | 4.8     | 1.6   | 1.6     | 1.0   | 2.4     | 1.9   | 8.8    | 9.9  | 6.8  | 7.4  | 8.7   | 8.7  | 8.1   | 8.7  | 1.   | 1.86  |        | 8.1  | 8.7    | 1.8   | 8.1    | 8.1   | 8.7  | 8.7  | 8.1  | 8.7   | 8.7  | 80 8   | 13.  | 8.7   |
|                            | AI m     | 4.5 8   | 8.4.8   | 9.7 8 |         | 9.    | 2.      |       | 6 8 9  |      | 30   |      | 5     | 6 1. | 8.7 9 | 1.   |      |       |        | 8.18 | F.     | 8.7 9 | 8.7 9  | 1.    | 1.   | 8.7  |      | 8 1 8 |      | B. 7 C |      | 8.7 9 |
|                            | Al       | 5 8     | 4 8     | 8     | 2       | 6     |         |       | 1 3    |      | 1 6  |      | 0     | 6    | 6     | 6    | 1 9  | 6     | 1 9    |      | 6      | 1 9   | 1 3    |       |      |      |      |       |      | 6 6    |      | 6     |
|                            | AI       |         | 83      |       |         | 91.   | 94.     | 96    | 96     | 96   | 96   | 96   | 98    | 98   | 98    | 98   | 98   | 86    | 98     | 98   | 98     | 86    | 98     | 86    | 96   | 20   | 36   | 86    | 96   | 98     | 98   | 98    |
|                            | 50<br>A1 | 64.5    | •       | 89.7  |         |       | 2.46    |       |        | 1.96 | 1.96 | 9006 | 98.1  | 1.86 | 98.1  | 1.86 | 98.1 | 1.86  | 1.86   | 1.86 | 1.86   | 1.86  | 98.1   | 1.86  | 1.86 | 1.06 | 1.86 | 1.86  | 1.06 | 1.86   | 98.1 | 1.86  |
|                            | o<br>Al  |         |         |       |         |       |         |       | 96.1   |      |      |      |       |      |       |      |      |       | 98.1   |      |        |       |        |       |      |      |      |       |      | 1.86   |      |       |
|                            | 2 4      |         | 0       | .2    | 7       | 7     | 0       |       | 100    | 3    | ·    | 0    | 5     | 0    |       | 3    | 0    | 3     |        | 5    | 9.     |       | 3      | 9.    | 0    | 0    | 9    |       | 1.6  | 9.17   | 9    | 9     |
| CERTING                    | _        | CEILING | ¥ 20000 | 18000 | 00091 A | 14000 | 2 12000 | 10000 | 000 AI | 9000 | 2000 | 9009 | 0000  | 4500 | 900   | 3500 | 3000 | 2500  | 7 2000 | 1800 | N 1500 | 1200  | ≥ 1000 | 006   | 8    | 700  | -    | 200   |      | 300    | 2    | •     |
|                            |          | 2       |         |       |         |       |         |       |        |      |      |      |       |      | _     |      |      |       |        |      |        |       |        |       |      |      |      |       |      |        |      |       |

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

73-77

ALL HOURS (LST.) DEC

-

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|                            | 0 1      | 4 . 4      | 0.61    | 7.6  | 30.8    | 4.10 | 13.6  | 10.1 | 5.3    | 1001 | 90.96 | 7.2  | 7.7  | 0.8 | 18.1 | 18.3 | 9.8  | 19.2 | 30.6  | 7.60 | 5.6  | 10.4 | 1.66  | 16.4 | 10.6  | 8.60   | 8.60  | 8.6  | 8.6   | 8.60 | 8.66 | 8.6   | 0000 |
|----------------------------|----------|------------|---------|------|---------|------|-------|------|--------|------|-------|------|------|-----|------|------|------|------|-------|------|------|------|-------|------|-------|--------|-------|------|-------|------|------|-------|------|
|                            | 7        | 4.         |         | 4.   | \$      |      | . 5   | S    | 2      | 0    | 'n    | 0    | 2    | 20  | 6    | .2   | 5    | 0    |       | 19   | *    |      |       | 5    | 5     | 9.     | 9.    | 9.   | 9     | 9    |      | 6 4.6 | -    |
|                            | ۸۱       | 20         | 7 89    | æ    | .2 8    | 6 1  | Q.    | 3    |        |      | 96 2. | _    | m    | 0   | -    | -    | ~    | 80   | 56 00 | 0    | 1 99 | 3 6  | .3 99 | 66 € | .3 99 | \$6 4. | 66 4. | 6 7  | 66 4. | 6 7  | \$ 6 | 66 5  | 2    |
|                            | ≥ 5/16   | 84         | 88      | 20   | 89      | 16   | 63    | 36   | 96 6   |      | 96    | 96   |      | 16  | 97   | 97   |      | 98   | 66    | -    |      |      | 66    | 66   | 66    | 66     | 66    | 66   | 66    | -    | 66   |       | 66   |
|                            | VI<br>VI | 84.        |         | •    | 89.2    |      |       |      |        |      |       |      |      |     | 97.7 |      |      |      |       |      | 1.66 |      |       |      |       |        |       |      | 4.66  | 4.66 | 4.66 | 7.66  | 96.4 |
|                            | *        |            |         |      |         |      |       |      | 8 . 46 |      | 1 96  | 196  |      |     | 91.6 |      | 2.86 |      | 0.66  | 0.66 | 0.66 | 2.66 | 2.66  |      | 2466  | 66.3   |       | 866  | 66.3  |      | 66.3 | 666   |      |
|                            | %<br>Al  | 0.48       | 88.6    |      |         |      |       |      | 8.46   |      | 1006  |      |      |     | 97.6 |      |      | 1.86 | 0.66  |      | 0.66 | 7.66 |       | 2.66 |       | 66.3   | 66.3  | 66.3 |       | 6.66 | 66.3 | 66.3  |      |
| S                          | -<br>AI  | 84.0       |         | 6    | 6       |      | 93.2  | *    | *      | 3    | 1.96  | 0    | 97.2 | -   | -    | -    | 8    | 60   | 0.66  | 6    | 0.66 |      | 6     |      | 6     |        | 0     |      |       |      |      |       |      |
| VISIBILITY (STATUTE MILES) | ¥1       | 84.0       |         | 0.68 | 6       | :    | 6     |      | *      |      | 96.1  |      |      |     |      |      |      |      | 6.86  |      | 0    |      | 1.66  |      |       |        | 99.2  |      |       |      | 2.66 | 2.66  | 6    |
| HLITY (STA                 | YI %     | 84.0       | 8       | 6    |         | :    |       | 1.96 |        |      | 1.96  |      |      |     | 97.5 |      | 98.1 |      | 6.86  | 6.86 | 0.66 | 1.66 | 1.66  | 1.66 | 1.66  | 2.66   |       |      | 3.66  |      | 3.66 |       |      |
| VISIE                      | 7        | 0.48       |         | 6    | 6       | -    | 3     |      | 94.8   |      | •     | •    | :    | :   | 97.5 | 2    |      |      |       | 6.86 | 0.66 |      | 1.66  |      |       | 2.66   | .6    | 2.66 |       | 2.66 | 6    |       | 99.5 |
|                            | > 2%     | 83.9       | 8       | •    | 6       |      | 93.0  | 6    |        | 5    | 8.96  | 9    | 1.96 | -   | -    |      | -    |      | 6.86  |      | 98.4 | 8    |       | 98.0 | 98.6  | 98.0   | 98.6  | •    | 98.6  | 98.0 | 8    | •     | 98.0 |
|                            | e Al     | 83.9       | 8       | 8    | 6       | 0    |       | 43.9 |        |      | 92.8  |      |      |     |      |      |      |      | 38.5  |      | 98.3 | 4.86 |       |      |       |        |       |      |       | 8    |      | 8     |      |
|                            | 4        | 83.9       | 8       | 8    | 6       | 90.8 | 93.0  | 63.9 | 4.46   |      | 95.7  | 2.96 |      |     | 6.96 |      | 97.5 |      | 98.1  | 98.1 | 98.1 |      | 98.2  |      | 98.2  | 2.86   |       |      | 98.2  |      |      |       | *    |
|                            | S AI     | 83.9       |         | 3.   |         |      |       | 3    | :      | 5    |       | :    |      | 10  | 3    | 1:   | -    | :    | *     |      |      | *    | *     | 8    |       |        |       |      | -     | -    | 0.86 |       |      |
|                            | ۰<br>۱۸  | 0          |         | 0    |         | 0    |       | 0    | ~      |      | 6.56  | 6    | ~    |     |      | 6.   | 7    | ~    |       |      | 0    |      | 0     |      | 0     |        | •     |      |       |      | 9.   | 9.1   |      |
|                            | 2        |            |         |      |         |      |       |      |        |      |       |      |      |     |      |      |      |      |       |      | 0    | 5    | 0     |      |       |        |       |      |       |      | 84.0 |       |      |
| CEILING                    | (FEET)   | NO CEILING | > 20000 |      | N 16000 |      | 12000 | 1    | 000    | 1    | 141   | 1    | 2000 | 1   | 000  | 1    | 3000 | 1    | 700   | 1    | 1500 | 1    | 000   |      | 8     | 1      | 9     |      | 8     |      | 8    | -     | 0    |

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YUMA, ARIZONA

23195

0000000

ALL HOURS (187) ALL

200

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|                           |         | m   | 7     | 5   | 0     | 4  | 0     | 0  | m   | 0   | 2   | -  | 2    | 3  | 5    | 9  | 80   | 00 | 0    | 0  | 6    | 0  | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0    |
|---------------------------|---------|-----|-------|-----|-------|----|-------|----|-----|-----|-----|----|------|----|------|----|------|----|------|----|------|----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                           | ۸I      |     |       | 92  | 92    |    | 95    | 16 | 97, | 97  | 98  | 86 | 66   | 66 | 66   | 66 | 66   | 66 | 66   | 66 | 66   | 00 | 00   | 00  | 00  | 00  | 00  | 8   | 8   | 8   | 00  | 00  | 00   |
|                           | 2       | .3  | 7     | .5  | 00    |    |       |    | 6   |     |     |    |      |    |      |    |      |    |      |    | 0    |    |      | 6.  | 6.  | 0   | 0   | 0   | 0   | 0   | 6   | 0   | 9    |
|                           | Al      |     | 92    |     | 92    | 46 | 95    | 16 | 97  | 6   | 86  | 86 | 66   | 66 | 66   | 66 | 66   | 66 | 66   | 66 | 66   | 66 | 66   | 66  | 66  | 00  | 001 | 001 | 001 | 00  | 001 |     | 001  |
|                           | 92      |     |       |     |       |    |       |    | .3  |     |     |    |      |    |      |    |      |    |      |    | 6.   |    |      |     |     |     | 6.  |     |     |     | 6   | 6.  | 6.   |
|                           | VI<br>S |     |       | 92  | 92    | 76 | 95    | 97 | 97  | 97  | 98  | 86 | 66   | 66 | 66   | 66 | 66   | 66 | 66   | 66 | 66   | 66 | 66   | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 90  | 66  | 99   |
|                           | 2       |     |       |     | *     |    | . 8   |    |     |     |     |    |      |    |      |    |      |    |      |    | .0   |    |      |     |     |     |     |     |     |     |     | 6.  | •    |
|                           | ۸I      | _   |       |     |       | _  | 95    | _  |     |     |     |    |      |    |      |    |      |    | 6    | 66 | 66   | 56 | 66   | 66  | 66  | 66  | 66  | 56  | 6   | 66  | 66  | 66  | 66   |
|                           | *       |     |       |     |       |    | 5.8   |    | 1.3 |     |     |    |      |    |      |    |      |    |      |    | 6.6  |    |      |     |     |     |     |     |     |     |     | •   | •    |
|                           | ٨١      | 88  |       |     |       | 1  |       |    | 3   |     |     |    |      |    |      |    |      |    |      | _  |      |    | -    |     |     |     |     |     |     |     | 6   | 6   | 5    |
|                           | *       |     |       | 2.4 | 2.8   |    | 5.8   |    | 7.3 |     |     |    |      |    |      |    |      |    |      |    | 6.6  |    |      |     |     |     |     |     |     |     | 6.6 | 6.6 | 6.6  |
|                           | ΛI      | 80  | 0     | 6   |       | 6  |       | _  |     |     |     |    |      |    |      |    |      |    |      | -  | 66   |    |      |     |     |     |     |     |     |     |     | _   |      |
|                           | -       |     | 2.0   | •   |       |    | 5.8   |    | 7.2 |     |     |    |      |    | 9.5  |    |      |    | 9.6  |    | 6.6  |    |      |     |     |     |     |     |     |     |     | 6.6 |      |
| ILES)                     |         | _   |       |     |       | _  | 8 95  | -  | 5 9 |     |     | _  |      | -  |      | -  |      | 1  | 6 8  | -  | 6 8  | _  |      |     | 8   |     | 6   |     |     | 6 8 |     | _   |      |
| MSIBILITY (STATUTE MILES) | 7       | 8   | 2     | 2.  | 5     |    | 5.6   |    | 2   |     |     |    |      |    |      |    |      |    |      |    | 1.66 |    |      |     |     |     |     |     |     |     |     | 8.6 | 9.8  |
| STATU                     | ٨١      | 2 8 |       | 4   | 7     | 3  | 20    |    |     |     |     |    |      |    |      |    |      |    | 6    | 8  |      |    |      |     | 8   |     |     |     |     |     |     | 8   | 6    |
| 7                         | 71      | 88  |       |     |       |    |       |    |     |     |     |    |      |    |      |    |      |    |      |    |      |    |      |     |     |     |     |     |     |     |     |     |      |
|                           |         |     |       |     |       |    |       |    | 2   |     |     | 5  |      | 5  |      | 5  |      |    |      |    |      | 8  |      | 20  | 8   | 9   | 9   |     | 3   | 00  | 6   | _   | 33   |
|                           | ۸I      | 88. |       |     | 92.   |    | 95.   |    | 97. |     |     |    |      |    |      |    |      |    |      |    | .66  |    |      | .66 |     | .66 |     | .66 |     |     | .66 | .66 | .66  |
| -                         |         |     |       |     | -     |    | -     | 1  | -   |     |     |    | 0    |    | m    | _  |      | _  | 0    | 0  |      | -  | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -    |
|                           | > 2%    | 88  | 91.   | 92. | 92    | 96 | 95    | 96 | 97. | 97. | 98  | 98 | 66   | 66 | 66   | 66 | 66   | 66 | 66   | 66 | 66   | 66 | 66   | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66   |
|                           |         |     |       |     |       |    | ~     | 1  |     |     |     |    |      |    |      |    |      |    |      |    |      |    |      |     |     |     |     |     |     |     |     | 0   | 0    |
| 1                         | ٨١      |     |       | 92  | 26    |    | 95    | 96 | 16  | 16  | 86  | 86 | 0    | 3  |      | 66 | 0    | 66 | 0    | 66 | 66   | 66 | 66   | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66   |
| -                         |         | 5   |       |     | · N   | 0  | 5     | 9  | 0   | in. | 8   | 2  | 00   | 20 | 0    | 7. | 3    |    | 4    | 4  | *    | 4  | 3    | 4.  | 3   | 3   | 4   | 7   | 4   | *   | 4   | 4   | 4    |
|                           | ٨١      |     |       | 92  |       |    | 95    | 96 | 96  | 44  | 97  | 86 | 86   | 86 | 66   | 66 | 66   | 66 | 66   | 66 | 66   | 66 | 66   | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66   |
|                           |         | 6.  | 5     | 0   | 4     | 0  | 3     | 0  | 3   | 3.  |     | 7. |      | 20 |      | 0  | 2.   | 7  | •    | •  | •    |    |      | *   | · . |     | 3   |     | *   | 4   |     | .3  |      |
|                           | Al      | 8   | 16    | 26  | 85    | 76 | 95    | 96 | 96  | 16  | 16  | 96 | 96   | 98 | 98   | 66 | 66   | 66 | 66   | 66 | 66   | 66 | 66   | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66   |
|                           | •       |     |       |     | -     |    | -     | •  |     | -   |     |    | 4    |    | -    | -  | -    |    | -    | -  | 0    | -  | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | 1100 |
|                           | ΑI      | 8   | 2     | 9   | 92    | 6  | 95    | 96 | 96  | 97  | 2   | 44 | 96   | 98 | 98   | 98 | 98   | 6  | 96   | 98 | 66   | 66 | 66   | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66  | 66   |
|                           | 9       |     |       |     |       |    | 6.    |    |     |     |     |    |      |    |      |    |      |    |      |    |      |    |      |     |     |     |     |     |     |     |     |     |      |
|                           | AI .    | -   | 7     | F   | 7     | F  | 78    | -  | 80  | 8   | 8   | 8  | 8    | 8  | 8    | 20 | 8    | 8  | 8    | 82 | 82   | 8  | 8    | 8   | 82  | 8   | 82  | 82  | 82  | 82  | 8   | 85  | 82   |
| 0                         | _       | NG  | 8     | 8   | 8     | 8  | 8     | 8  | 8   | 2   | 8   | 2  | 2    | 2  | 8    | 2  | 2    | 2  | 8    | 2  | 8    | 8  | 8    | 2   | 8   | 2   | 99  | 8   | 8   | 8   | 200 | 8   |      |
| CEILING                   |         |     | 20000 |     | 16000 |    | 12000 | 1  | 900 |     | 700 |    | 2000 |    | 90   |    | 3000 |    | 2000 |    | 1500 |    | 1000 |     |     |     |     |     |     |     |     |     |      |
|                           |         | 2   | AI    | ^'  | AI    | ^  | IAI   | ^  | M   | ^   | IAI | ^  | IAI  | ^  | I AI | ^  | IAI  | ^  | I    | ^1 | AI.  | ٨١ | AI.  | ٨١  | AI  | ^   | A1  | VI  | ۸ı  | ٨١  | AI  | VI  | A1   |

0

0

TOTAL NUMBER OF OBSERVATIONS

14608

0000

0

LAN

SKY COVER

OOOEO

YUMAS ARIZONA STATION NAME 23195 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|       | HOURS    |      |     |     | PERCENTAG | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | Y OF TENTH | S OF TOTAL | SKY COVER |     |     |       | MEAN      | TOTAL  |
|-------|----------|------|-----|-----|-----------|---|------------|------------|-----------|-----|-----|-------|-----------|--------|
| MONIH | (L.S.T.) | 0    | -   | 2   | 3         | -   | 3          | 9          | -         | 50  | ٥   | 01    | SKY COVER | NO. OF |
| JAN   | 92       | 4.89 | 3.2 | 1.9 | 5.2       | 1.3   | 1.3        | 3.9        | 1.9       | 3.2 | 9   | 0.6   | 1.9       | 155    |
|       | 0.5      | 63,2 | 1.3 | 5.8 | 5.2       | 1.9   | 1.3        | 3.2        | 9         | 2.0 | 1.3 | 13.5  | 2.3       | 155    |
|       | 90       | 43,2 | 7.1 | 5.8 | 1.9       | 3.9   | 1.9        | 3.2        | 5.2       | 4.5 | 5,2 | 18.1  | 3.7       | 155    |
|       | =        | 42.6 | 5.8 | 5.2 | 4.5       | 5.6   | 9.         | 103        | 5.2       | 2.6 | 6.0 | 20.02 | 3.8       | 155    |
|       | 14       | 41.3 | 3.9 | 4.7 | 5.8       | 2.6   | 1.3        | 1.1        | 1.9       | 3.9 | 5,2 | 17.4  | 3.7       | 155    |
|       | 17       | 34.8 | 7.1 | 5.2 | 6.5       | 3.2   |            | 3.9        | 5.8       | 5.8 | 6.0 | 21.3  | 4.3       | 158    |
|       | 20       | 50,3 | 3.9 | 3.2 | 7.1       | 3.9   | 1.3        | 5.8        | 3.2       | 6.5 | 2.0 | 12.3  | 3.1       | 155    |
|       | 23       | 63.2 | 1.9 | 3.9 | 4.5       | 4.5   |            | 3.9        | 5.2       | 2.6 | 1.9 | 8.4   | 2.2       | 155    |
|       |          |      |     |     |           |   |            |            |           |     |     |       |           |        |
|       |          |      |     |     |           |   |            |            |           |     |     |       |           |        |
| TOT   | TOTALS   | 50.9 | 4.3 | 5.1 | 5.1       | 3.4   | 1.0        | 0.4        | 3.6       | 0.4 | 3.7 | 15.0  | 3.1       | 1240   |

0

SKY COVER JAN 68 5704

YUMAS ARIZONA STATION NAME 23195 STATION

73-77

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| FEB 02 72.3 1.4 3.5 3.5 .7 2.8 5.0 05 65.2 .7 2.8 5.7 2.1 1.4 0.8 5.0 7.1 4.3 5.0 2.8 1.4 5.7 2.1 1.4 42.6 5.0 6.4 5.7 2.8 3.5 1.4 45.4 5.7 4.3 5.7 2.8 1.4 2.1 2.8 1.4 2.3 5.0 4.3 6.4 2.1 2.8 1.4 2.3 5.0 4.3 6.4 2.1 2.8 1.4 2.3 5.1 1.4 5.7 5.7 2.8 1.4 2.8 1.4 5.7 5.7 2.8 1.4 | 2.8 2.1 | 1   | -       |          | TENTHSOF  | C    |
|---|---------|-----|---------|----------|-----------|------|
| 05 65.2 .7 2.8 5.7 2.1<br>08 44.0 5.0 7.1 4.3 5.0<br>11 42.6 5.0 6.4 5.7 2.8<br>14 45.4 5.7 4.3 5.7 1.4<br>17 39.7 5.0 4.3 6.4 2.8<br>20 50.4 3.5 6.4 6.4 2.8<br>23 53.1 1.4 5.7 5.7 2.8  | _       |     | 8       | 9        | SKY COVER | 088. |
| 44.0     5.0     7.1     4.3     5.0       42.6     5.0     6.4     5.7     2.8       45.4     5.7     4.3     5.7     2.8       39.7     5.0     4.3     6.4     2.8       50.4     3.5     6.4     9.4     2.1       53.1     1.4     5.7     5.7     2.8                         |         |     | 2.1     | 111.3    | 1.8       | 141  |
| 45.6 5.0 7.1 4.3 5.0<br>42.6 5.0 6.4 5.7 2.8<br>45.4 5.7 4.3 5.7 1.4<br>39.7 5.0 4.3 6.4 2.8<br>50.4 3.5 6.4 9.4 2.1<br>53.1 1.4 5.7 5.7 2.8  | 104 305 | 2.8 | 6.4     | 11.3     | 2.3       | 141  |
| 45.6 5.0 6.4 5.7 2.8<br>45.4 5.7 4.3 5.7 1.4<br>39.7 5.0 4.3 6.4 2.8<br>50.4 3.5 6.4 0.4 2.1<br>63.1 1.4 5.7 5.7 2.8  | 2.8 3.5 | 3.5 | 5.7 5.0 | 0 14.2   | 3,4       | 141  |
| 45.4     5.7     4.3     5.7     1.04       39.7     5.0     4.3     6.4     2.8       50.4     3.5     6.4     6.4     2.1       63.1     1.0     5.7     5.7     2.8  | 3.5 2.1 | 7.8 | 5.0 5.7 | 7 13.5   | 3.6       | 141  |
| 50.4 3.5 6.4 0.4 2.8<br>63.1 1.4 5.7 5.7 2.8  | 2.1 2.8 | 5.0 | 0.4 Z.1 | 1 10,1   | 3.6       | 141  |
| 50.4 3.5 6.4 6.4 2.1  | 104 701 | 8.5 | 2.1 5.0 | 17.7     | 3.9       | 141  |
| 53.1 1.4 5.7 5.7 2.8  | 2.8 2.8 | 5.7 | 4.3 1.  | 1.4 14.2 | 3.0       | 141  |
|   | 1.4 2.8 | 7.  | 4.3 2.1 | 1 9.9    | 2,2       | 141  |
|   |         |     |         |          |           |      |
|   |         |     |         |          |           |      |
| TOTALS 52.6 3.5 5.1 5.4 2.5 2.3   | 2.3     | 6.3 | 4.3 2.7 | 1 1 2 2  | 0.6       | 1120 |

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SKY COVER

YUMAA ARIZONA STATION MANE 23195 STATION

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|       | HOURS   |      |     |     | PERCENTAG | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | Y OF TENTHS | OF TOTAL | SKY COVER |     |     |       | MEAN      | TOTAL          |
|-------|---------|------|-----|-----|-----------|---|-------------|----------|-----------|-----|-----|-------|-----------|----------------|
| MONIE | (LS.T.) | •    | -   | 2   | 6         | -   | 8           | •        | 1         |     | •   | 10    | SKY COVER | NO. OF<br>OBS. |
| MAR   | 05      | 71.6 | 1.3 | 3.2 | 4.5       | 1.9   | 9.          | 1.9      | 4.5       | 1.3 | 9.  | 3     | 1.8       | 159            |
|       | 0.5     | 63.9 | 9.  | 5.8 | 4.5       | 2.6   | 9           | 2.0      | 3.9       | 2.6 | 1.9 | 11.0  | 2.3       | 155            |
|       | 90      | 51.6 | 5.8 | 1.9 | 4.5       | 9.  | 9.          | 1.3      | 2.6       | 5.6 | 5.2 | 20,02 | 3.5       | 159            |
|       | =       | 46.5 | 5.2 | 6.5 | 3.2       | 3.0   | 2.6         | 5.2      | 1.9       | 2.0 | 3.9 | 18.7  | 3.4       | 159            |
|       | 14      | 44.5 | 5.8 | 3.9 | 6.5       | 6.5   | 1.3         | 2.6      | 3.9       | 7.1 | 5.6 | 12.3  | 3.4       | 159            |
|       | 17      | 44.5 | 4.5 | 6.9 | 4.5       | 4.5   | 2.6         | 1.9      | 3.9       | 0.6 | 7.1 | 11.0  | 3.5       | 155            |
|       | 20      | 55.5 | 5.5 | 5.2 | 5.8       | 2.6   | 1.9         | 2.6      | 3.2       | 4.5 | 1.9 | 11.6  | 2.6       | 155            |
|       | 23      | 57.7 | 2.6 | 4.5 | 6.1       | 1.3   | 2.6         | 3.0      | 4.5       | 1.9 |     | 0.6   | 2.0       | 159            |
|       |         |      | ,   |     |           |   |             |          |           |     |     |       |           |                |
|       |         |      |     |     |           |   |             |          |           |     |     |       |           |                |
|       |         |      |     |     |           |   |             |          |           |     |     |       |           |                |
| 0     | TOTALS  | 55.7 | 3.9 | 4.7 | 4.4       | 3.0   | 1.6         | 20       | 3.6       | 4.4 | 3.3 | 12.8  | 2.8       | 1240           |

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5704 SKY COVER JAN 68

SKY COVER

YUMAS ARIZONA STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| APR 02 84,7<br>05 82,7<br>08 68,7<br>11 64,0 | -     |     |     |     |     | The same of the same of | STATE OF THE COVER |     |     |     | MEAN                   |        |
|--|-------|-----|-----|-----|-----|-------------------------|--------------------|-----|-----|-----|------------------------|--------|
|  |       | 2   | 3   | •   | s   | •                       | 1                  |     | ٥   | 9   | TENTHS OF<br>SKY COVER | No. of |
|  | 1     | 1.3 | 143 | 2.0 | .,  | .,                      | 1.3                | 2.0 |     | 5.3 | 1.0                    | 150    |
|  | 1     | 2.0 | 3,3 | 2.1 | 1.3 | 7.                      | 1.3                | 7.  | 1,3 | 0.4 | 1.0                    | 150    |
|  | 7 400 | 0.0 | 4.0 | 3.3 | 1.3 | 2.7                     | 1.3                | 2.0 | 1.  | 6,0 | 1,6                    | 150    |
| +  | 000   | 7.3 | 4.0 |     | .7  | 2.7                     | 3.3                | 3.3 | 2.0 | 6.7 | 1,9                    | 150    |
|  | 0.8 7 | 1.3 | 5,3 | 3.3 | 1.3 | 2.0                     | 0.9                | 4.7 | 2.0 | 7,3 | 2.3                    | 150    |
| 17 59.3                                      | 3,3   | 4.7 | 0.0 | 0.4 | 2.0 | 3.3                     | 1.3                | 0.9 | 4.0 | 0.0 | 2.3                    | 150    |
| 20 67.3                                      | 5.3   | 2.7 | 2.0 | 2.0 | 1.3 | 2.7                     | 7.3                | 4.0 | 2.0 | 3,3 | 1.6                    | 150    |
| 23 81.3                                      |       | 2.7 | 1.3 | 0.4 |     | 1.3                     | 7.                 | 0.4 |     | 0.4 | 1.1                    | 150    |
|  |       |     |     |     |     |                         |                    |     |     |     |                        |        |
|  |       |     |     |     |     |                         |                    |     |     |     |                        |        |
|  |       |     |     |     |     |                         |                    |     |     |     |                        |        |
|  |       |     |     |     |     |                         |                    |     |     |     |                        |        |
| TOTALS 70.8                                  | 3.5   | 3.5 | 3.4 | 2.7 | 1:1 | 2.0                     | 2.8                | 3.3 | 1.5 | 5.3 | 9.1                    | 1200   |

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| HOURS |      |     |     | PERCENTAG | E FREQUENCY | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | OF TOTAL | SKY COVER |     |     |     | MEAN      | TOTAL |
|-------|------|-----|-----|-----------|-------------|---|----------|-----------|-----|-----|-----|-----------|-------|
|       | 0    | 1   | 2   | 9         | -           | s   | 9        | 7         | 80  | ٥   | 01  | SKY COVER | OBS.  |
|       | 84.5 | 1.3 | 1.9 | 3.9       | 1.9         | 9.  | 1.3      | 1.9       | 9   |     | 1.9 | .,        | 155   |
|       | 79.4 | 1.3 | 4.5 | 1.3       |             | 9   | 9.       | 2.6       | 3.9 | 9.  | 5.2 | 1.3       | 155   |
|       | 4.89 | 3.9 | 6.5 | 4.5       | 2.6         | 9   |          | 9.        | 3.2 | 3.9 | 5.8 | 1.7       | 155   |
|       | 4.89 | 5.2 | 5.8 | 1.9       | 1.9         | 1.99  | 1.9      | 2.6       | 1.3 | 3.9 | 5.2 | 1.7       | 155   |
| -     | 70.3 | 2.6 | 5.2 | 2.6       | 1.3         | 1.3   | 2.6      | 3.2       | 5.8 | 3,9 | 1,3 | 1.6       | 155   |
|       | 65.8 | 7.1 | 3.2 | 9.5       | 6.1         | 6   | 2.6      | 1.9       | 6.5 | 2.6 | 3.9 | 1.8       | 155   |
|       | 70.3 | 1.9 | 5.2 | 3.2       | 1.9         |   | 3.5      | 2.6       | 4.5 | 5,6 | 4.5 | 1.7       | 155   |
|       | 78.7 | 6.1 | 5.2 | 3.2       | 3.2         | 9.  | 9.       | 3.2       | 1.9 |     | 1:3 | 6.        | 155   |
| _     |      |     |     |           |             |   |          |           |     |     |     |           |       |
| -     |      |     |     |           |             |   |          |           |     |     |     |           |       |
|       |      |     |     |           |             |   |          |           |     |     |     |           |       |
|       | 73.2 | 3.2 | 4.7 | 2.9       | 1.6         | 6.  | 1.6      | 2.3       | 3.5 | 2,2 | 3.6 | 1.4       | 1240  |
| 1     |      |     |     |           |             |   |          |           |     |     |     |           |       |

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SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MOLIBA |      |     |     | PERCENTAGE | FREQUENC | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | OF TOTAL S | KY COVER |     |     |     | MEAN      | TOTAL |
|--------|------|-----|-----|------------|----------|---|------------|----------|-----|-----|-----|-----------|-------|
| -      | 0    | -   | 2   | 6          | -        | 5   |            | 7        |     | ٥   | 01  | SKY COVER | 088.  |
|        | 0.06 |     | 2.7 | 2.0        | .7       |   | 7.         | 2.7      |     |     | 1.3 | 5.        | 150   |
| -      | 75.3 | 4.7 | 0.9 | 2.0        | .7       | 2.0   | 0.4        | 2.0      | 1.3 | 1,3 | 1.  | 1.0       | 150   |
|        | 72.0 | 4.0 | 4.7 | 4.0        | 11.3     | 2.0   | 1.3        | 5.3      | 2.0 | 1,3 | 2.0 | 1.3       | 150   |
|        | 74.7 | 2.7 | 4.0 | 4.0        | 11.3     | 2.7   | 1.3        | 1.3      | 7.7 |     | 5,3 | 1,3       | 150   |
|        | 0.99 | 8.0 | 0.9 | 4.7        | 11.3     | 1.3   | 3.3        | 4.7      | 1.3 | 1.3 | 2,0 | 1.4       | 150   |
|        | 70.7 | 5.3 | 1.3 | 0.0        | 3.3      | 1.3   | 1.3        | 5.3      | 1.3 | 2.7 | 1.3 | 1.4       | 150   |
| 20     | 68.7 | 7.3 | 5,3 | 3.3        | 2.7      |   | 3.3        | 2.7      | 2.7 | 1.3 | 2.7 | 1.4       | 150   |
|        | 81.3 | 0.9 | .,  | 2,7        | 2.7      | 1.3   | 2.0        |          | 1:3 | 1   | 1.3 | .7        | 150   |
|        |      |     |     |            |          |   |            |          |     |     |     |           |       |
|        |      |     |     |            |          |   |            |          |     |     |     |           |       |
|        |      |     |     |            |          |   |            |          |     |     |     |           |       |
|        | 76.8 | 6.4 | 30  | 3.6        | 1.8      | 1.3   | 2.2        | 3.0      | 1.6 | 1.1 | 2.1 | 1.1       | 1200  |

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| 2.6 2.6 3.2 3.9 5.17 3.2 3.9 5.10 3.8 3.2 3.9 5.8 10.2 3.8 3.2 3.9 5.8 10.2 3.8 3.2 5.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3                         | PERCENTAGE FR | EQUENCY OF TE | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | SKY COVER |      |     |     | MEAN      | TOTAL |
|---|---------------|---------------|---|-----------|------|-----|-----|-----------|-------|
| 2.6 2.6 3.2 3.9<br>3.2 1.9 3.9 6.5<br>5.2 1.9 2.6 5.8 1<br>4.5 2.6 2.6 9.7<br>3.9 3.2 6.5 3.2<br>5.8 2.6 5.2 5.8<br>6.5 1.3 4.5 4.5<br>1.9 .6 1.3 3.9 | 3             |               | ٥   | 7         | 8    | ٥   | 01  | SKY COVER | OBS.  |
| 3.2 1.9 3.9 6.5<br>4.5 2.6 2.6 9.7<br>3.9 3.2 6.5 3.2<br>5.8 2.6 5.2 5.8<br>6.5 1.3 4.5 4.5<br>1.9 .6 1.3 3.9   |               | -             |   | 3.9       | 5.8  | •   | 3.2 | 1.7       | 155   |
| 5.2 1.9 2.6 5.8 1 3.9 3.2 6.5 3.2 5.8 2.6 5.2 5.8 6.5 1.3 4.5 4.5 1.9 0.0 1.3 3.9   | -             | 1             |   | 6.5       | 2.6  | 3.2 | 6.5 | 2.4       | 155   |
| 3.9 3.2 5.6 9.7<br>3.9 3.2 5.5 3.2<br>5.8 2.6 5.2 5.8<br>6.5 1.3 4.5 4.5<br>1.9 .6 1.3 3.9  |               | _             |   | 5.8       | 10,3 | 4.0 | 7.1 | 3.5       | 155   |
| 3.9 3.2 6.5 3.2<br>5.8 2.6 5.2 5.8<br>6.5 1.3 4.5 4.5<br>1.9 .6 1.3 3.9   |               |               |   | 4.7       | 3.9  | 3.9 | 7.1 | 2.9       | 155   |
| 5.8 2.6 5.2 5.8<br>6.5 1.3 4.5 4.5<br>1.9 .6 1.3 3.9  |               |               |   | 3.2       | 4.5  | 3.9 | 5.5 | 2.6       | 155   |
| 1.9 .6 1.3 3.9  |               | _             | _   | 5.8       | 2.6  | 3.2 |     | 2.2       | 159   |
| 109 06 103 3.9  |               | 1             |   | 4.5       | 6.9  | 2.6 | 3.9 | 2.5       | 155   |
|   | 6.5 7.7       |               | 1   |           | 4.5  |     | 5.8 | 30        | 159   |
|   |               |               |   |           |      |     |     |           |       |
|   |               |               |   |           |      |     |     |           |       |
| 4.4 4.2 2.1 3.7 5.4 5.  |               |               |   | 4. 2      | - 1  | 3.2 | 6.  | 2.5       | 1240  |

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| HOURS |       |     |     | PERCENTAG | FREQUENC | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | OF TOTAL | SKY COVER |     |     |     | MEAN      | TOTAL          |
|-------|-------|-----|-----|-----------|----------|---|----------|-----------|-----|-----|-----|-----------|----------------|
|       | 0     | -   | 2   | 6         | -        | 8   | 9        | 7         |     | 6   | 01  | SKY COVER | NO. OF<br>085. |
| 02    | 84.5  | 9.  | 2.6 | 9.        | 1.3      | 9.  | 9.       | 1.3       | 2.6 | 1.9 | 3.2 | 1.0       | 155            |
| 0.5   | 90.08 | 2.6 | 4.5 | 1.3       | 1.3      | 9.  | 103      | 1.3       | 9.  | 0.  | 5.5 | 1.0       | 155            |
| 0.8   | 6163  | 5.2 | 3.9 | 7.7       | 619      | 1.9   | 1.9      | 3.9       | 4.5 | 9.  | 4.5 | 1.9       | 155            |
| =     | 71.0  | 4.5 | 1.3 | 5.2       | 1.9      | 9.  | 1.9      | 2.6       | 3.2 | 5,2 | 2.6 | 1.6       | 155            |
| 14    | 74.2  | 1.3 | 5.2 | 6.5       | 1.9      | 2.6   | 9.       | 2.6       | 9   | 1.9 | 5.6 | 1.2       | 155            |
| 11    | 71.0  | 4.5 | 7.1 | 5.2       |          | 1.3   | 9.2      | 3.9       | 1,3 | 0.  | 2.6 | 1.3       | 155            |
| 20    | 0.69  | 3.2 | 3.9 | 5.8       | 1.9      | 2.6   | 1.9      | 1.3       | 4.5 | 1.3 | 4.5 | 1.6       | 155            |
| 23    | 90.08 | 1.9 | 3.2 | 2.6       | 2.6      | 1.9   | 1.3      | ý         | 6.1 | 9.  | 5.6 | 1.0       | 155            |
|       |       |     |     |           |          |   |          |           |     |     |     |           |                |
|       |       |     |     |           |          |   |          |           |     |     |     |           |                |
|       | 74.0  | 3.0 | 0.4 | 4:4       | 5.1      |   | 1.5      | 2.2       | 2.4 | 1.6 | 3.5 |           | 1240           |

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|     | HOURS    |      |     |     | PERCENTAG | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | Y OF TENTHS | OF TOTAL | SKY COVER |     |     |     | MEAN      | TOTAL |
|-----|----------|------|-----|-----|-----------|---|-------------|----------|-----------|-----|-----|-----|-----------|-------|
| WOW | (L.S.T.) | •    | -   | 2   | ъ         | -   | 80          | •        | 2         |     | ٥   | 01  | SKY COVER | OBS.  |
| SEP | 20       | 7.08 | 1.3 | 2.7 | 2.0       | 103   | 1.3         | 1.3      | 2.0       | 7.  | 2.0 | 4.7 | 1.2       | 150   |
|     | 0.5      | 78.0 | 3.3 | 2.7 | 3.3       | 2.0   | 1.3         | 1.3      | 2.0       | 7.  | 1.3 | 4.0 | 111       | 150   |
|     | 90       | 0.49 | 7.3 | 2.7 | 1.3       | 0.4   | 2.7         | 3.3      | 3,3       | 0.4 | 3.3 | 4.0 | 1.9       | 150   |
|     | =        | 58.0 | 7.3 | 6.7 | 4.7       | 2.7   | 2.7         | 4.7      | 0.4       | 2.0 | 1.3 | 0.0 | 2.0       | 150   |
|     | 14       | 0.09 | 0.0 | 4.7 | 8.0       | 2.0   | 2.7         | 1.3      | 3.3       | 2.7 | 4.7 | 4.7 | 2.0       | 150   |
|     | 17       | 0.09 | 8.0 | 4.0 | 5.3       | 2.7   | 2.0         | 2.0      | 2.7       | 3.3 | 0.4 | 6.0 | 2.1       | 150   |
|     | 20       | 0.99 | 0.0 | 3.3 | 4.0       | 3.3   |             | 2.7      | 2.0       | 3,3 | 1.3 | 7.3 | 1         | 150   |
|     | 23       | 72.0 | 3.3 | 4.7 | 4.7       | 1.3   |             | 7.       | 3.3       | 2.7 | 1,  | 6.7 | 1.5       | 150   |
|     |          |      |     |     |           |   |             |          |           |     |     |     |           |       |
|     |          |      |     |     |           |   |             |          |           |     |     |     |           |       |
|     |          |      |     |     |           |   |             |          |           |     |     |     |           |       |
| TOT | TOTALS   | 67.3 | 5.3 | 3.9 | 4.2       | 2.4   | 1.7         | 2.2      | 2.6       | 2.4 | 2,3 | 5.4 | 1.7       | 1200  |

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SKY COVER

YUMAS ARIZONA STATION MANE 23195 STATION

73-77

OCT.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|       | HOURS    |      |     |     | PERCENTAGE | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | OF TENTHS | OF TOTAL S | SKY COVER |     |     |     | MEAN      | TOTAL |
|-------|----------|------|-----|-----|------------|---|-----------|------------|-----------|-----|-----|-----|-----------|-------|
| MONTH | (L.S.T.) | •    | -   | 2   |            | -   | 8         | •          | -         |     | ٥   | 10  | SKY COVER | OBS.  |
| 130   | 02       | 86.3 | 1.3 | 1.3 | 1.3        | 1.3   | 1.9       | 9          | 3.2       | 1.3 |     | 1,3 | ۲.        | 155   |
|       | 0.5      | 82.6 | 1.9 | 1.9 | 1.9        | 109   | 9.        | 3.9        | 1.3       | 1.3 | 9.  | 1:9 | 6.        | 155   |
|       | 90       | 65.8 | 3.2 | 5.2 | 5.6        | 3.2   | 113       | 1.9        | 3.9       | 4.5 | 1.9 | 3.2 | 1.7       | 155   |
|       | =        | 0.69 | 5.8 | 3.2 | 3.9        | 2.6   |           | 2.6        | 6:1       | 3.2 | 2,6 | 5.2 | 1.0       | 155   |
|       | 14       | 85.8 | 5.8 | 3.2 | 3.9        | 1.9   | 9.        | 3.2        | 2.6       | 7.7 | 1.3 | 3.9 | 1.8       | 155   |
|       | 17       | 63.2 | 5.8 | 5.2 | 2.6        | 601   | 109       | 3.2        | 3.9       | 5.8 | 1.9 | 4.5 | 2.0       | 155   |
|       | 20       | 2.69 | 4.5 | 5.2 | 2.6        | 1.3   | 9.        | 2.0        | 4.5       | 5.1 | 2.0 | 4.5 | 1.6       | 155   |
|       | 23       | 81.9 | 1.9 | 1.9 | 1.3        | 3.9   |           | 6.1        | 2.6       | 9   |     | 3.0 | 1.0       | 155   |
|       |          |      |     |     |            |   |           |            |           |     |     |     |           |       |
|       |          |      |     |     |            |   |           |            |           |     |     |     |           |       |
|       |          |      |     |     |            |   |           |            |           |     |     |     |           |       |
| 101   | TOTALS   | 73.1 | 3.6 | 3.4 | 2.9        | 2.3   | 0         | 2.5        | 3.0       | 3.3 | 7.4 | 3.6 | 1.4       | 1240  |

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### SKY COVER

YUMAS ARIZONA STATION NAME 23195 STATION

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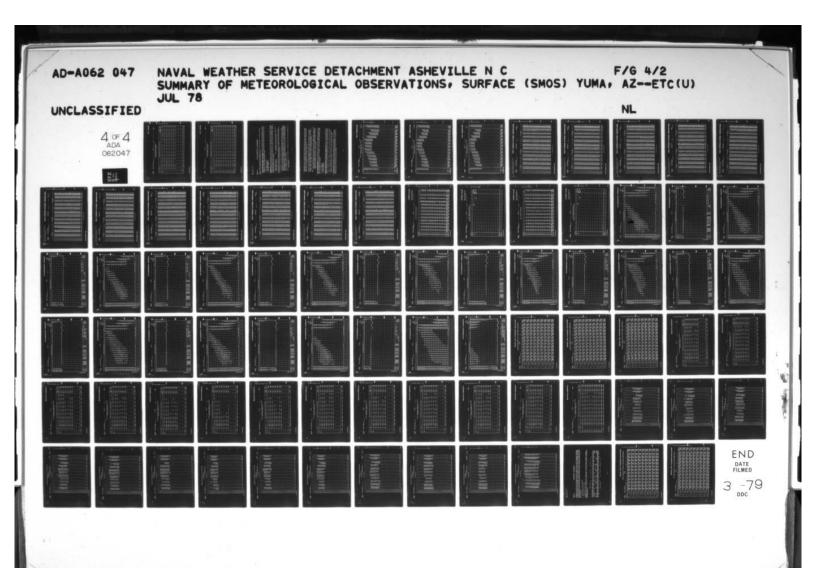
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73-77

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|       | HOURS   |      |     |     | PERCENTAG | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | Y OF TENTHS | OF TOTAL | SKY COVER |     |     |      | MEAN      | TOTAL  |
|-------|---------|------|-----|-----|-----------|---|-------------|----------|-----------|-----|-----|------|-----------|--------|
| MONTH | (LS.T.) | 0    | -   | 2   | е П       | -   | 8           | •        | 7         | 8   | 6   | 02   | SKY COVER | NO. OF |
| VOV   | 02      | 78.7 | 1.3 | 2.0 | 0.4       | 9.0   | 7.          | 2.0      | 1.3       | 2.0 | 7.  | 3.3  | 1.1       | 150    |
|       | 0.5     | 76.7 | 2.0 | 5.3 | 2.7       | 2.0   |             | 1.3      | 7.        | 2.0 |     | 7.3  | 1.3       | 150    |
|       | 0.8     | 55.3 | 4.0 | 7.3 | 0.4       | 5.3   | 2.7         | 5.3      | 1.3       | 2.7 | 2.0 | 10.0 | 2.5       | 150    |
|       | 17      | 58.7 | 8.0 | 4.7 | 2.0       | 1.3   | .7          | 2.0      | 0.4       | 5   | 2.7 | 10.7 | 2.5       | 150    |
|       | 14      | 54.7 | 0.0 | 3.3 | 4.0       | 2.7   | 1.3         | 4.0      | 6.7       | 7.3 | 1,3 | 6.7  | 3.6       | 150    |
|       | 17      | 53,3 | 7.3 | 4.7 | 3.3       | 3.3   | 2.7         | 2.7      | 4.0       | 3,3 | 5.3 | 10.0 | 2.7       | 150    |
|       | 20      | 63.3 | 4.0 | 5.3 | 0.4       | 2.7   |             | 5.3      | 2.7       | 3.3 | 1.  | 8.7  | 2.1       | 150    |
|       | 23      | 76.7 | 1.3 | 1.3 | 0.0       | 2.7   | 1.3         | 7.       | 2.0       | 1.3 | 1.  | 0.9  | 1.3       | 150    |
|       | 5       |      |     |     |           |   |             |          |           |     |     |      |           |        |
|       |         |      |     |     |           |   |             |          |           |     |     |      |           |        |
| ΙŌ    | TOTALS  | 7 74 | 6-9 | 5.4 | 4         | 9   |             | 0        | 1.        | 4   | 1.7 |      |           |        |



E

SKY COVER

YUMAS ARIZONA STATION NAME 23195 STATION

73-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|       | HOURS   |      |     |     | PERCENTAG | E FREQUENC | Y OF TENTHS | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | SKY COVER |      |     |      | MEAN      | TOTAL |
|-------|---------|------|-----|-----|-----------|------------|-------------|---|-----------|------|-----|------|-----------|-------|
| MONTH | (LS.T.) | 0    | -   | 2   | e         | •          | 10          | 9   | 7         |      | 6   | 9    | SKY COVER | 088.  |
| DEC   | 0.2     | 7,69 | 2.6 | 2.6 | 3.9       | 3.2        | 2.6         | 2.6   |           | 1.3  | 0.  | 11.0 | 1.9       | 155   |
|       | 0.5     | 67,7 | 1.3 | 3.9 | 5.8       | 9.         | 4.5         | 1.3   | 1.9       | 3.5  | 2.6 | 7.1  | 1.9       | 155   |
|       | 80      | 0.64 | 3.2 | 2.6 | 7.7       | 1.9        | 1.9         | 1.3   | 9.2       | . S. | 4.5 | 19.4 | 3,6       | 155   |
|       | =       | 47.7 | 4.5 | 7.1 | 3.9       | 200        | 9.          | 1.3   | 4.5       | 4.5  | 3.9 | 19.4 | 3.5       | 155   |
|       | 14      | 47.1 | 3.2 | 5.2 | 5.2       | 2.6        | 1.9         | 1.9   | 5.2       | 3.9  | 4.5 | 19.4 | 3.6       | 155   |
|       | 13      | 45.8 | 3.2 | 4.5 | 5.8       | 2.6        | 1.9         | 1.9   | 7.1       | 6.9  | 3,2 | 17.4 | 3.7       | 155   |
|       | 20      | 58.7 | 2.6 | 4.5 | 5.8       | 3.9        | 1.9         | 2.6   | 5.6       | 1:9  | 2.6 | 12.9 | 2.6       | 155   |
|       | 23      | 4.84 |     | 3.9 | 5.2       | 3.9        | 1.3         | 1.3   | 1.9       | 2.6  | 0.  | 11.0 | 2.0       | 155   |
|       |         |      |     |     |           |            |             |   |           |      |     |      |           |       |
|       |         |      |     |     |           | 49         |             |   |           |      |     |      |           |       |
|       |         |      |     |     |           |            |             |   |           |      |     |      |           |       |
| 101   | TOTALS  | 56.8 | 2.6 | 4.3 | 5.4       | 2.7        | 2.1         | 1.8   | 3.2       | 3.7  | 2,8 | 14.7 | 2.9       | 1240  |

0

### SKY COVER

YUMAS ARIZONA STATION HAME

0

0

0

0

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|       | HOURS   |      |     |     | PERCENTAG | FREQUENCY | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | OF TOTAL S | KY COVER |     |     |      | MEAN      | TOTAL  |
|-------|---------|------|-----|-----|-----------|-----------|---|------------|----------|-----|-----|------|-----------|--------|
| MONTH | (LS.T.) | •    | -   | 2   |           | -         | 80  | •          | 7        | 80  | 6   | 01   | SKY COVER | NO. OF |
| JAN   | ALL     | 50.9 | 4.3 | 5.1 | 25.1      | 3.4       | 1.0   | 0.4        | 3.0      | 0.4 | 7.6 | 15.0 | 3.1       | 1240   |
| F 13  |         | 52,8 | 3.5 | 5.1 | 5.4       | 2.5       | 2.3   | 3.3        | 4.3      | 4.3 | 2.7 | 13.9 | 3.0       | 1128   |
| MAR   |         | 55.7 | 3.9 | 4.7 | 4.4       | 3.0       | 1.6   | 2.8        | 3.6      | 4.0 | 3,3 | 12.8 | 2.8       | 1240   |
| APR   |         | 70.8 | 3.5 | 3.5 | 3.4       | 2.7       | 111   | 2.0        | 2.8      | 3.3 | 1.5 | 5.5  | 1.6       | 1200   |
| MAY   |         | 73.2 | 3.2 | 4.7 | 5.9       | 1.8       | 6.  | 1.0        | 2,3      | 3.5 | 2,2 | 3.6  | 1.4       | 124    |
| NOC   |         | 74.8 | 20  | 3.8 | 3.6       | 1.8       | 1.3   | 2.2        | 3.0      | 1.6 | 1.1 | 2,1  | 111       | 1200   |
| 100   |         | 52.8 | 5.9 | 4.0 | 4.0       | 4.2       | 2.1   | 3.7        | 5.4      | 5.1 | 3,2 | 6.9  | 2.5       | 1240   |
| AUG   |         | 74.0 | 3.0 | 4.0 | 4.4       | 1.9       | 1.5   | 1.5        | 2.2      | 2.4 | 1.6 | 3.5  | 1.3       | 1240   |
| SEP   |         | 67.3 | 5.3 | 3.9 | 4.2       | 5.4       | 1.7   | 202        | 2.8      | 5.4 | 2.3 | 5.4  | 1.7       | 1200   |
| 130   |         | 73.1 | 3.8 | 3.4 | 2.9       | 2.3       | 6.  | 2.5        | 3.0      | 3.3 | 1.4 | 3.6  | 1.4       | 124    |
| NOV   |         | 2.99 | 4.2 | 4.2 | 3.8       | 3.0       | 1.2   | 2.9        | 3.1      | 3.4 | 1.1 | 7.8  | 2.0       | 1200   |
| DEC   |         | 56.8 | 2.6 | 6.3 | 5.4       | 2.7       | 2.1   | 1.8        | 3.2      | 3.7 | 2.8 | 14.7 | 2.9       | 1240   |
| 101   | TOTALS  | 63.9 | 4.0 | 4.4 | 4.3       | 2.0       | 1.5   | 2.5        | 3.3      | 3.5 | 2.3 | 7:7  | 2.1       | 14608  |

E

0

### PART E

## PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

- Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows: ;
- . Daily maximum temperature
- . Daily minimum temperature
  - . Daily mean temperature
- deviations are computed for months and annual when four or more values are present for any column. Two tables All months Extreme values - derived from daily observations with extreme value given for each year and month of record for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard available. Extremes are provided for a month if all days for a month contain valid observations. of daily extreme temperatures are prepared: a
- a. Extreme maximum temperature b. Extreme minimum temperature
- NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
- Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided: 3
- Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb which may require two pages in some cases. 8

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares  $(\Sigma X^2)$ , sums of values  $(\Sigma X)$ , means  $(\overline{X})$ , and standard deviations  $(\sigma X)$ . The number of observations used in the computations for each element is also shown. Ġ
- represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period the annual summary, or mean number of hours per month in the tabulations by month. :
- Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not observations recorded during these periods. All values of dev-point temperature and relative reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for humidity are with respect to water, unless otherwise indicated. NOTE:
- Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
- a. Dry-bulb temperature
- b. Wet-bulb temperature
- . Dew-point temperature
- Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary. è
- The main body of the summary consists of dry bulb temperatures spread vertically in four degree incre-Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. ments and horizontally by eight wind directions (plus calm). 9

NAVWEASERVCOM

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DAILY TEMPERATURES

MAXIMUM

### DAILY TEMPERATURES

| TURING MAKE CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)  JAN. FEB. MAR. APR. MAY JUN. JUL. AMG. SEP. 12.1 1 1.1 2.6 2.7 3 70.7 99.9 99.8 99.8 37.4 60.2 82.8 97.9 100.0 10 |
|--|
| FEB. MAR. 11.1 2. 11.1 2. 11.1 2. 11.0 51.0 51.0 51.0 51.0 51.0 51.0 51.   |
| FEB. MAR. 11.1 2. 11.1 2. 11.1 2. 11.1 2. 11.0 51.0 99.9 99.9 100.0 100. |
| 100.00 10 |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |

### DAILY TEMPERATURES

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ND

# DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

23195

YUMA, ARIZONA

STATION NAME

1949-1977

YEARS

MINIMUM TEMP

MAXIMUM TEMP

AVERAGE

MEAN TEMP AVERAGE 4

.

DAY

0.49 64.6 9.99

10.6

10.8

10.9

51.1 51.6 32.6

S 9 1204

12.1 12.2

54.4

œ o

67.2

66.7

12.5

54.8

10 =

(

67.1

13.4

54.9

14 15 16 14.3 14.2 14.4

57.8 57.8

18

19 20 7 22 23

17

12.6

54.7

12

13

64.3 65.9 63.8

JANUARY

MONTH

1950 1960\* 1961 1950 1964 1960 1949 1966 1962 1963 1963 1973 1963 1966 1949 -1.1 9 0 0 0.0 -2.8 9.0 -2.2 -1.1 1.1 -1.1 -2.2 -1.1 -1.1 -EXTREME 50 30 30 30 3.3 28 28 32 32 34 33 33 6.0 9.9 6.5 3 4.0 4.2 3:5 1.9 5: 6.9 6.9 AVERAGE 40.0 45.0 +1.4 42.0 42.2 43.0 39.6 39.8 42.1 44.8 44.3 44.5 45.3 43.9 41.7 43.5 39.1 44.7 43.7 1969\* 1959\* 1961 1962 1962 1950 1959 1950 1964 1962 1953 1953 1953 1959 1964 1971 1991 1961 25.6 27.2 28.3 28.3 30.0 25.6 28.3 27.2 26.1 29.4 28.3 28.3 28.3 31.1 27.2 28.9 30.0 28.3 26.7 26.7 EXTREME 80 83 6 83 90 8 2 80 83 83 83 83 88 98 8 18 18 17.2 19.3 21.12 17.8 18.1 19.6 19.8 19.3 19.8 20.8 20.8 9.02 21.3 21.1 19.5 21.8 21.1

ALSO ON EARLIER YEARS

188

19724

1.1

-

44.1

1971 197

26.7

80

70.2

13.8

56.8

27 28 53

26

13.8

96.8

14.2

6.69

13.7

56.7

24 25

70.4

14.0

57.2 57.0

13.6

70.0 71.0 71.3 70.0

14.0

57.2

6.6

43.8

1953

21.6

14.0 13.0

Monthly

31

13.9

57.1 57.2 55.4

30

70.4

27.8

# DAILY AVERAGE/EXTREME TEMPERATURES

YUMA, ARIZONA

STATION NAME

1949-1977

YEARS

MONTH FEBRUARY

|                |          | DATE       | 1949  | 1956 | 1956 | 1956 | 1956 | 1955 | 1961 | 1974  | 1966 | 1956 | 1956  | 1965  | 1965* | 1966 | 1961  | 1956  | 1956 | 1956 | 1955 | 1955 | 1953 | 1955 | 1953 | 1961 | 1960 | 1977 | 1964  | 1962 | 1956 |    |    |
|----------------|----------|------------|-------|------|------|------|------|------|------|-------|------|------|-------|-------|-------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|-------|------|------|----|----|
| 4              | ΛΕ.      | ၁          | 9.0   | 1.1  | -0.6 | -1.1 | 9.0  | 9.0  | 1.7  | 3.9   | 2.2  | 3.3  | 1.7   | 9.0-  | 1.1   | 9.0  | 0.0   | 1.1   | -2.2 | 1.1  | 0.0  | 9.0- | 0.0  | 0.0  | -0.6 | 2.2  | 0.0  | 2.8  | 9.0   | 9.0- | +.+  |    |    |
| MINIMUM TEMP   | EXTREME  | 9 F        | 33    | 34   | 31   | 30   | 33   | 33   | 35   | 39    | 36   | 38   | 38    | 31    | 34    | 33   | 35    | 34    | 28   | 34   | 32   | 31   | 32   | 32   | 31   | 36   | 35   | 39   | 33    | 31   | 04   |    |    |
| M              |          | °c         | 5,8   | 9.0  | 9.0  | 7.1  | 10,  | 7.9  | 7.9  | 4.0   | 8.8  | 8.4  | 8.2   | 8.5   | 1.3   | 7.3  | 7.2   | 4.4   | 7.5  | 7.3  | 7.6  | 7.3  | 1.6  | 7.8  | 4.9  | 1.4  | 4.9  | 8.8  | 8.2   | 8.3  | 8.9  |    |    |
|                | AVERAGE  | ۰,         | 45.4  | 44.2 | 44.2 | 44.7 | 44.7 | 46.3 | 46.3 | 46.3  | 47.8 | 47.2 | 46.7  | 47.3  | 45.2  | 45.1 | 45.0  | 45.3  | 45.5 | 45.1 | 45.7 | 45.2 | 45.6 | 0.04 | 46.3 | 42.4 | 46.3 | 47.8 | 46.7  | 47.0 | 48.1 |    |    |
|                |          | DATE       | 1963* | 1954 | 1963 | 1963 | 1963 | 1963 | 1963 | 1963* | 1961 | 1991 | 1971+ | 1997  | 1957  | 1957 | 1977* | 1977  | 1977 | 1977 | 1977 | 1977 | 1977 | 1954 | 1954 | 1954 | 1954 | 1963 | 1957  | 1972 | 1972 |    |    |
|                | <u> </u> | ၁ွ         | 28.9  | 30.0 | 32.8 | 33.3 | 32.2 | 32.8 | 32.8 | 30.6  | 31.1 | 33.9 | 30.0  | 30.06 | 33.9  | 34.4 | 30.0  | 30.6  | 30.6 | 31.1 | 31.1 | 31.1 | 31.1 | 30.6 | 31.7 |      | 33.3 | 33.3 | 31.7  | 31.7 | 30.0 |    |    |
|                | EXTREME  | ٠ <b>٤</b> | 84    | 96   | 16   | 92   | 90   | 16   | 16   | 87    | 88   | 63   | 96    | 87    | 63    | 16   | 86    | 87    | 87   | 88   | 88   | 98   | 88   | 97   | 69   | 16   | 26   | 26   | 68    | 89   | 98   |    |    |
|                | w w      | ၁ွ         | 22.4  | 21.8 | 22.0 | 23.0 | 23.5 | 23.3 | 23.6 | 22.8  | 23.1 | 23.1 | -     | 22.8  |       |      |       |       |      |      |      | 22.7 |      | 23.5 | 23.3 | 23.7 | 24.6 | 24.4 | 54.42 | 24.8 | 25.6 |    |    |
|                | AVERAGE  | 9°F        | 72.3  | 71.2 | 71.6 | 73.4 | 74.3 | 74.0 | 74.5 | 73.1  | 73.6 | 73.5 | 73.7  | 73.0  | 73.2  | 73.2 | 74.1  | 73.9  |      | 74.3 | 73.8 | 72.9 | 73.4 | 74.3 | 74.0 | 74.7 | 76.3 | 76.0 | 75.9  | 76.7 | 78.0 |    |    |
| -              |          | ၁့         | 14.1  | 14.3 | 14.4 | 15.0 | 15.3 | 15.7 | 15.8 | 15.4  | 15.9 | 15.7 | 15.7  | 15.7  | 19.1  | 15.1 | 15.3  | 15.3  | 19.4 | 19.4 | 15.4 | 19.1 | 15.3 | 15.6 | 19.7 | 19.6 | 16.3 | 16.6 | 16.3  | 16.6 | 17.3 |    |    |
| ומוכיות ובומון | AVERAGE  | ٠,         | 37.4  | 57.7 | 57.9 | 59.0 | 59.5 | 60.2 | 4.09 | 59.7  | 60.7 | 60.3 | 60.2  | 60.2  | 59.5  | 59.5 | 59.5  | 90.66 | 59.8 | 59.7 | 59.7 | 59.1 | 59.5 | 1009 | 60.2 | 60.1 | 61.3 | 61.9 | 61.3  | 61.9 | 63.1 |    |    |
|                |          | AY         | -     | 2    | 3    | 4    | 2    | 9    | 7    | 8     | 6    | 10   | 11    | 12    | 13    | 14   | 15    | 16    | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27    | 28   | 29   | 30 | 31 |

\*ALSO ON EARLIER YEARS

0 0 0 0

**DIRNAVOCEANMET-SMOS** 

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

# NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME YUMA, ARIZONA

1949-1977

MONTH MARCH

YEARS

|           | AVERAGE<br>601.6<br>601.6<br>601.6<br>601.6<br>601.6<br>601.6<br>601.6 | ) c 16.4 | AVERAGE | GE   | EXTREME    | ME   |       | AVERAGE    | E    | EXTREME | ME  |       |
|-----------|--|----------|---------|------|------------|------|-------|------------|------|---------|-----|-------|
| 0         |  | 95       | 90      |      |            | 310  |       | 1          |      |         | -   |       |
|           | 9 m m m o - 0 m m o m m o m m o m m o m o m o m o m                    |          | L       | ၁့   | <b>H</b> ° | ၁့   | DATE  | <b>4</b> ° | ၁့   | ₽°      | ္စ  | DATE  |
|           | 0000 - 200 m 4 m 5 m 5 m 5 m 5 m 5 m 5 m 5 m 5 m 5                     |          | 75.2    | 24.0 | 87         | 30.6 | 1967* | 48.0       | 8.0  | 33      | 9.0 | 1962  |
|           | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                                  |          | 73.8    | 23.2 | 87         | 30.6 | 1967* | 46.9       | 8.3  | 34      | 1.1 | 1971  |
|           | 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                                |          | 73.8    | 23.2 | 06         | 32.2 | 1959  | 45.8       | 7.7  | 34      | 1.1 | 1971  |
|           |  | 15.7     | 75.0    | 23.9 | 26         | 33.3 | 1972  | 45.5       | 7.5  | 32      | 0.0 | 1981  |
|           |  | 16.4     | 76.4    | 24.7 | 63         | 33.9 | 1972  | 8.94       | 8.2  | 38      | 3.3 | 1965  |
|           | 956465   | 16.7     | 77.0    | 25.0 | 76         |      | 1972  | 47.1       | 8.4  | 39      | 3.9 | 1961  |
|           | 5.5.5.5  | 17.0     | 76.7    | 24.8 | 66         | 3    | 1957  | 48.5       | 2.6  | 04      | 4.4 | 1961  |
|           | W 4 W 5  | 17.5     | 78.0    | 25.6 | 63         | 33.9 | 1987  | 0.64       | 7.6  | 36      | 3.9 | 1969# |
|           | 4.50   | 17.4     | 77.9    | 25.5 | 96         |      | 1972  | 48.0       | 9.2  | 35      | 1.7 | 1967  |
|           | 203  | 16.9     | 75.7    | 24.3 | 95         | 35.0 | 1972  | 1.64       | 6.6  | 39      | 3.9 | 1962  |
|           | 10.5   | 16.8     | 75.7    | 24.3 | 06         | -    | 1972  | 48.9       | 4.6  | 04      | 4.4 | 1969  |
| Ш         | 7 6  | 16.4     | 75.6    | 24.2 | 16         | 2.   | 1972  | 47.5       | 8.6  | 38      | 3.3 | 1969  |
|           | 117  | 16.9     | 76.3    | 24.6 | 06         | 32.2 | 1972  | 48.5       | 2.6  | 33      | 0.0 | 1956  |
| -         | 5.9  | 17.2     | 47.9    | 25.5 | 16         | 32.8 | 1991  | 48.0       | 8.9  | 39      | 3.9 | 1971  |
| 15        | 3.6  | 17.6     | 1.64    | 26.2 | 16         | 32.8 | 1972  | 0.84       | 8.0  | 36      | 2.2 | 1962  |
|           | 6.4  | 18.3     | 79.7    | 56.5 | 92         | 33.3 | 1974* | 50.1       | 1001 | 30      | 3.9 | 1969+ |
|           | 4.4  | 18.0     | 78.9    | 26.1 | 96         | 35.0 | 1972  | 50.0       | 10.0 | 04      | *** | 1957  |
| 18        | 6.5  | 18.1     | 79.7    | 26.5 | 92         | 33.3 | 1972* | 40.4       | 4.6  | 04      | *** | 1955  |
|           | 5.2  | 18.4     | 80.3    | 26.8 | 63         | 33.9 | 1960  | 50.2       | 10.1 | 16      | 5.0 | 1955  |
|           | 5.9  | 18.8     | 80.3    | 26.8 | 96         | 35.6 | 1960  | 51.6       | 10.9 | 42      | 9.6 | 1970  |
|           | 200  | 19.0     | 81.4    | 27.4 | 96         | 35.6 | 1960  | 50.9       | 10.5 | 38      | 3,3 | 1955  |
|           | 6.3  | 19.1     | 80.7    | 27.1 | 69         | 33.9 | 1961  | 51.9       | 11.1 | 37      | 2.8 | 1955  |
|           | 6.1  | 18.9     | 80.9    | 27.2 | 95         | 35.0 | 1956  | 51.2       | 10.7 | **      | 6.7 | 1955  |
|           | 5.8  | 18.8     | 80.3    | 26.8 | 63         | 33.9 | 19561 | 51.2       | 10.1 | 42      |     | 1949  |
|           | 0.9  | 18.9     | 80.8    | 27.1 | 63         | 33.9 | 19564 | 51.2       | 10.7 | 10      | 5.0 | 1961  |
|           | 6.5  | 19.2     | 81.2    | 27.3 | 66         | 35.0 | 1962  | 51.7       | 10.9 | 040     |     | 1977  |
|           | 7.8  | 19.9     | 82.5    | 28.1 | 63         | 33.9 | 1953  | 53.1       | 11.7 | 6.3     | 6.1 | 1961  |
|           | 7.2  | 19.6     | 81.6    | 27.6 | 63         | 33.9 | 1969  |            | 11.0 | 24      | 9.6 | 1972  |
| Í         | 7.1  | 19.5     | 81.9    | 27.7 | 96         | 35.6 | 1971  | 52.2       | 11.2 | 4.5     | 7.2 | 1973# |
|           | 7.7  | 19.8     | 83.1    | 28.4 | 96         | 35.6 | 1971* | 52.4       | 11.3 | **      | 6.7 | 1977* |
| 31 6      | 18.1   | 20.1     | 83.1    | 8    | 96         | 36.7 | 1966  | 53.1       | 11.7 | 94      | 7.8 | 1972# |
| Monthly 6 | 4.2  | 17.9     | 78.7    | 25.9 | 80         | 36.7 | 1966  | 49.6       | 8.6  | 35      | 0.0 | 1991  |

\*ALSO ON EARLIER YEARS

# DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA JNA STATION NAME

YUMA, ARIZONA

23195 STATION

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1949-1977

YEARS

APRIL

MONTH

|         | MEAN TEMP | EMP  | AVERAGE |      | MAXIMUM TEMP | ME   |       | AVERAGE | W    | Σ | MINIMUM TER | MINIMUM TEMP<br>EXTREME |
|---------|-----------|------|---------|------|--------------|------|-------|---------|------|---|-------------|-------------------------|
| DAY     |           | 00   |         | o o  |              | o°.  | DATE  |         | °    |   | ٩,          |                         |
| -       | 67.7      | 19.8 | 82.5    | 28.1 | 46           |      | 19961 | 53.0    | =    |   | 55          | *                       |
| 2       | 67.4      | 19.7 | 81.7    | 27.6 | 101          | 38.3 | 1959  |         | 11.7 |   |             | 2                       |
| 3       | 68,2      | 20.1 | 83,1    | 28.4 | 103          | 39.4 | 1961  | 53.2    | 11.8 |   |             | 1                       |
| 4       | 68.9      | 20.5 |         | 29.0 | 104          | 40.0 | 1961  | 53.5    | 11.9 |   | 42          | 2                       |
| 5       | 70.5      | 21.4 |         | 30.1 | 100          | 37.8 | 1960  | 54.8    | 12.7 |   |             |                         |
| 9       | 70.4      | 21.3 |         | 29.8 | 86           | 36.7 | 1960  | 55.3    | 12.9 |   |             |                         |
| 7       | 8.69      | 21.0 | 84.8    | 29.3 | 86           | 36.7 | 1962* | 54.8    | 12.7 |   | 44          | *                       |
| 8       | 70.1      | 21.2 | 85.7    | 29.8 | 6            | 36.1 | 1962  | 54.6    | 12.6 |   | 74          | •                       |
| 6       | 70.2      | 21.2 | 85.5    | 29.7 | 101          | 38.3 | 1960  | 54.9    | 12.7 |   | 63          | 43 6.                   |
| 10      | 10.6      | 21.4 | 85.6    | 8.62 | 100          | 37.8 | 1960  |         | 13.1 |   | 6.9         | 9                       |
| 11      | 70.7      | 21.5 | 84.8    | 29.3 | 96           | 35.6 | 1962* | 3       | 13.6 |   | 6.9         | 4                       |
| 12      | 70.4      | 21.3 | 86.2    | 30.1 | 102          | 38.9 | 1962  | 34.6    | 12.6 |   | 26          | 5                       |
| 13      | 71.8      | 22.1 | 87.7    | 30.9 | 106          | 41.1 | 1962  | 55.8    | 13.2 |   | 94          | 7.                      |
| 14      | 71.4      | 21.9 | 86.0    | 30.0 | 104          | 40.0 | 1962  | 56.8    |      |   | 4.4         | 8                       |
| 15      | 71.7      | 22.1 | 87.0    | 30.6 | 103          | 39.4 | 1962  | 10.0    | 13.0 |   | 6.5         | 45 7.2                  |
| 16      | 71.6      | 22.0 | 87.3    | 30.7 | 104          | 40.0 | 1954  | 55.9    | 13.3 |   | 4.5         | 1                       |
| 17      | 72.6      | 22.6 | 87.8    | 31.0 | 105          | 40.0 | 1954  | 57.4    | 14.1 |   | 66          |                         |
| 18      | 71.0      |      | 86.1    | 30.1 | 101          | 41.7 | 1954  | 26.0    | 13.3 |   | 46          | •                       |
| 19      | 70.1      | 21.2 | 84.7    | 29.3 | 104          | 40.0 | 1954  | 55.6    | 13.1 |   | 44          | 9                       |
| 20      | 70.2      | 21.2 | 85.7    | 29.8 | 104          | 40.0 | 1958  | 54.0    | 12.7 |   | 4.5         | 45 7.2                  |
| 21      | 71.0      | 21.7 |         | 30.4 | 107          | 41.7 | 1958  | 55.3    | 12.9 |   | 69          |                         |
| 22      | 72.1      | 22,3 | 87.5    | 30.8 | 103          | 39.4 | 1958* | 56.6    | 13.7 |   | 63          | . 9                     |
| 23      | 72.6      | 22.6 |         | 31.1 | 105          | 9.0% | 1949  | 57.1    | 13.9 |   | 6.3         | 45 7.2                  |
| 24      | 72.6      | 22.6 | 87.6    | 30.9 | 103          | 39.4 | 1949  | 57.6    | 14.2 |   | 4.3         | 47 8.3                  |
| 25      | 72.2      | 22.3 | 86.9    | 30.5 | 44           | 36.1 | 1977* | 57.5    | 14.2 |   | 94          | 46 7.8                  |
| 26      | 71.6      | 22.0 | 86.3    | 30.2 | 100          | 37.8 | 1953  | 56.9    | 13.8 |   | 47          | •                       |
| 27      | 72.0      | 22.2 | 87.0    | 30.6 | 66           | 37.2 | 1973  | 56.9    | 13.8 |   | 94          |                         |
| 28      | 72.3      | 22.4 | 87.0    | 30.6 | 66           | 37.2 | 1959  | 57.6    | 14.2 |   | 96          |                         |
| 29      | 72.4      | 22.4 | 87.9    | 31.1 | 106          | 41.1 | 1959  | 56.9    | 13.8 |   | 75          | 9                       |
| 30      | 73.6      | 23.1 | 89.3    | 31.8 | 101          | 38.3 | 1965  | 57.9    | 14.4 |   | 94          | 46 7.8                  |
| 31      |           |      |         |      |              |      |       |         |      |   |             |                         |
| Monthly | 20.0      | 21.4 | 1 75    |      |              |      |       |         |      |   | . 7         | V 3                     |

\*ALSO ON EARLIER YEARS

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# DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

YUMA, ARIZONA

23195 STATION

12695 94981

1511

1949-1977

MONTH

MAX

YEARS

1965\* 1962 1962\* 1974 1950 1961 1954 1953 1960 1977 1962 1991 1955 1957 1962 1962 1971 1953 1971 1965 1971 10.01 10.6 10.0 10.6 4.6 8.3 4.6 12.2 11:1 11:3 11.1 13,3 12.8 14.4 12.2 74.4 8.9 8.9 12.8 1111 11.7 11.7 11.7 11.7 EXTREME MINIMUM TEMP 20 20 48 34 53 52 96 48 3 55 49 5.0 9.9 16.6 9.91 3.4 4.91 17.8 9.6 10.6 4.6 16.8 16.8 17.8 18.3 17.8 18.4 18.9 15.8 18.1 18.8 AVERAGE 61.9 62.0 0.49 1.49 58.8 88.8 0.09 1.09 61.9 9119 6119 62.2 62.2 64.9 6.59 67.3 61.2 84.8 64.8 64.5 65.2 64.7 1960 1976 1970 1960 1958 1958 1962 1958 1963 1962 1961 1960 1958 1958 1958 1949 1958 1969 1958 1952 1963 1961 1991 1961 1991 1991 42.2 41.1 45.0 38.9 39.4 45.2 45.0 42.8 41.1 38.3 40.0 40.0 41.1 42.8 42.8 42.2 4004 46.1 41.7 41.7 45.6 41.7 41.7 41.7 EXTREME MAXIMUM TEMP 102 108 113 108 901 9010 109 000 80 103 105 03 001 105 0. 101 107 0 0 32.2 32.3 32.3 33.0 34.4 33.6 33.8 34.8 35.1 35.3 31.6 33.8 34.3 35.5 35.1 35.6 36.4 36.4 AVERAGE 91.2 89.9 88.5 94.0 94.9 90.5 4.16 95.8 92.5 92.8 7.46 96.3 95.9 95.2 0.96 97.5 1.06 23.9 24.0 25.2 25.4 26.3 27.0 26.8 26.4 27.0 27.6 28.1 MEAN TEMP AVERAGE 19.8 73.9 13.9 77.8 77.4 78.4 80.5 80.6 79.6 90.08 82.5 74.4 79.3 80.3 79.7 75.5 74.9 76.3 81.7 Monthly DAY 10 12 13 15 16 18 19 20 22 25 28 58 = 14 17 21 23 24 56 30 9 6 27 31 œ

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'ALSO ON EARLIER YEARS

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2000

# DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

YUMA, ARIZONA

23195 STATION

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STATION NAME

61

1949-1977

YEARS

S

SUNE

MONTH

|              |         | °c DATE    | .2   | 2.8 1 | 3.3 1 | 4.4  | 3.9 1 | 9,   |      | 15.0 1968 | 9    | 6    | 0    | 1    |      | 9     | 6    | 0.   | 9.   | 2.    | .1    | 16.7 19 |       |       | 0.    | 18.3 1965 | 80 •  |       | .2 1  | 1 6.  |       | .9 1  |    |
|--------------|---------|------------|------|-------|-------|------|-------|------|------|-----------|------|------|------|------|------|-------|------|------|------|-------|-------|---------|-------|-------|-------|-----------|-------|-------|-------|-------|-------|-------|----|
| MINIMUM TEMP | EXTREME | , H        | 24   |       |       |      |       |      |      | 66        |      |      |      |      |      |       |      | 59   | 00   | 63    | 62    | 62      | 67    | 59    | 99    | 65        | 99    | 58    | 63    |       | 69    | 66    |    |
| MIN          |         | ၁့         | 19.1 | 19.8  | 20.4  | 20.4 | 20.4  | 20.4 | 1.02 | 19.9      | 19.9 | 19.8 | 20.1 | 21.3 | 21.1 | 21.3  | 21.4 | 22.2 |      | 2.22  | 22.7  | 22.7    | 23.3  | 23.7  | 23.9  | 24.0      | 23.8  | 23.1  | 23.3  | 24.6  | 24.3  | 24.7  |    |
|              | AVERAGE | ,<br>F     | 66.3 |       | 68.89 |      | 68.8  | 68.7 | 68.1 | 67.8      |      | 67.6 | 68.1 | 70.4 | 70.0 | 70.4  | 20.0 | 72.0 | 72.0 | 71.9  | 72.9  | 72.8    | 73.9  | 74.6  | 75.0  | 75.2      | 74.8  | 73.6  | 73.9  | 76.3  | 75.8  | 76.5  |    |
|              |         | DATE       | 1957 | 1957  | 1957  | 1957 | 1957  | 1973 | 1973 | 1955      | 1955 | 1956 | 1956 | 1956 | 1956 | 1961  | 1961 | 1974 | 1959 | 1960* | 1960  | *0961   | 1968  | 1960* | 1959  | 1957      | 1970* | 1957  | 1974  | 1974  | 1950  | 1950  |    |
| ΛP           | ME      | ၁့         | 44.4 | 46.1  | 45.0  | 45.0 |       | 43.9 | 45.0 | 46.1      | 46.7 | 43.9 | 46.1 | 47.2 | 45.6 | 48.3  | 46.7 | 45.0 | 44.4 | 45.0  | 46.1  | 1.94    | 46.7  | 46.1  | 46.7  | 48.9      | 1.94  | 45.6  | 46.7  |       | 46.1  | 47.2  |    |
| MAXIMUM TEMP | EXTREME | <b>L</b> ° | 112  | 115   | -     | 313  | 115   | 111  | 113  | 115       | 116  |      | 115  | 117  | 114  | 119   | 116  | 113  | 112  | 113   | 115   | 115     | 116   | 115   | 116   | 120       | 115   | 114   | 116   | 115   | 115   | 117   |    |
| M            | 36      | ၁့         | 36.6 | 37.3  | 37.1  | 37.4 | 37.7  | 37.3 | 36.8 | 36.8      | 36.7 | 36.3 | 37.6 | 38.2 | 38.5 | 39.1  | 39.1 |      | 39.7 | 40.1  | 40.6  | 6.04    | 41.6  | 41.5  | 41.4  | 41.4      | 41.1  | 40.7  | 41.4  | 41.2  | 41.6  |       |    |
|              | AVERAGE | ¥.0        | 97.9 | 99.2  | 48.7  | .9.3 | 6.66  | 99.2 | 98.2 | 98.2      | 98.1 | 97.3 | 9.66 | 0    | 0    | 102.4 | ~    | 3    | 3    | 104.2 | 105.1 | 105.6   | 106.8 | 106.7 | 106.6 | 106.5     | 105.9 | 105.2 | 106.5 | 106.2 | 106.9 | 107.4 |    |
| d            |         | ٥, ٥       | 27.8 | 28.6  | 28.8  | 28.9 | 29.1  | 28.8 | 28.4 | 28.3      | 28.3 | 28.0 | 28.8 | 29.8 | 29.8 | 30.2  | 30.3 | 30.9 | 30.9 | 31.2  | 31.7  | 31.8    | 32.4  | 32.6  | 32.7  | 32.7      | 32.4  | 31.9  | 32.3  | 32.9  | 32.9  | 33.3  |    |
| MEAN TEMP    | AVERAGE | ۰ ا        | 82.1 | 83.4  | 83.8  | 84.0 | 84.4  | 83.9 | 83.2 | 83.0      | 83.0 | 82.4 | 83.8 | 85.6 | 85.7 | 86.4  | 86.5 | 87.7 | 87.7 | 88.1  | 89.0  | 89.2    | 4.06  | 9006  | 8006  | 8.06      | 4.06  | 99.4  | 90.2  | 91.3  | 91.3  | 6116  |    |
|              |         | DAY        | 1    | 2     | 3     | 4    | 5     | 9    | 7    | 8         | 6    | 10   | 11   | 12   | 13   | 14    | 15   | 16   | 17   | 18    | 19    | 20      | 21    | 22    | 23    | 24        | 25    | 26    | 27    | 28    | 29    | 30    | 31 |

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\*ALSO ON EARLIER YEARS

### NAVAL WEATHER SERVICE DETACHMENT ASHE

| U             | MONTH        |              |         | DATE           | 19714 | 1950+ | 1956 | 1956 | 1961  | 1961 | 1963  | 1955  | 1955 | 1971* | 1974 | 1955  | 1962 | 1952 | 1962  | 1962 | 1962  | 1961 | 1958 | 1958 | 1973 | 1973  | 1973 | 1973  | 1973 | 1949  | 1949  | 1949  | 1966  | 1958  | 1958  |
|---------------|--------------|--------------|---------|----------------|-------|-------|------|------|-------|------|-------|-------|------|-------|------|-------|------|------|-------|------|-------|------|------|------|------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|
| JULY          |              | ٩            |         | ၁့             | 1.12  | 20.0  | 17.2 | 18.3 | 18.9  | 20.6 | 9.02  | 50.6  | 21.7 | 22.8  | 22.2 | 21.7  | 20.0 | 25.2 | 21.7  | 21.1 | 20.6  | 23.9 | 24.4 | 8.22 | 1.12 | 21.7  | 22.2 | 21.7  | 23.3 | 23.9  | 23.3  | 23,3  | 23,3  | 22.2  | 24.4  |
|               |              | MINIMUM TEMP | EXTREME | °F.            | 10    | 80    | 63   | 69   | 99    | 69   | 69    | 69    | 1,   | 13    | 7.2  | 11    | 99   | 72   | 11    | 10   | 69    | 7.5  | 16   | 7.3  | 10   | 11    | 72   | 11    | 14   | 1.5   | 14    | 14    | 14    | 72    | 16    |
|               |              | ×            |         | J.             | 54.5  | 29.5  | 25.9 | 25.3 | 29.5  | 25.3 | 6.62  | 26.2  | 56.4 | 2.72  | 56.9 | 26.8  | 59.0 | 1.72 | 27.3  | 9.12 | 27.7  | 27.4 | 27.4 | 27.5 | 2.72 | 27.3  | 27.6 | 2.72  | 27.6 | 27.7  | 27.2  | 27.7  | 27.8  | 27.5  | 27.8  |
|               | YEARS        |              | AVERAGE | 3 <sub>0</sub> | 1.97  | 17.0  | 78.7 | 17.6 | 77.4  | 17.6 | 78.6  | 1.64  | 19.6 | 81.0  | 80.4 | 80.2  | 80.4 | 80.8 | 81.2  | 81.3 | 81.6  | 81.4 | 81.3 | 81.5 | 81.0 | 81.1  | 91.6 | 81.0  | 81.6 | 81.9  | 80.9  | 81.9  | 82.1  | 81.5  | 82.0  |
| 1977          |              |              |         | DATE           | 1960  | 1957* | 1957 | 1957 | 1970+ | 1661 | 1958  | 1958  | 1958 | 1959  | 1958 | 1964* | 1958 | 1949 | 1957* | 1960 | 1960  | 1960 | 1961 | 1960 | 1661 | 1963  | 1959 | 1963* | 1963 | 1959  | 1958# | 1954  | 1972* | 1957  | 1957  |
| 1949-1977     |              |              | E       | ၁့             | 1.94  | 45.0  | 46.7 | 47.2 | 43.9  | 46.1 | 46.7  | 47.8  | 48.3 | 47.8  | 47.8 | 45.6  | 46.1 | 46.1 | 45.6  | 46.7 | 45.0  | 47.2 | 46.1 | 47.2 | 46.1 | 45.0  | 46.1 | 45.6  | 45.6 | -     | +     |       | 44.4  | 47.2  | 68.3  |
|               |              | MAXIMUM TEMP | EXTREME | 9 F            | 115   | 113   | 116  | 117  | 111   | 115  | 116   | 118   | 119  | 118   | 118  | 114   | 115  | 115  | 114   | 116  | 113   | 117  | 115  | 117  | 115  | 113   | 115  | 114   | 114  | 113   | 112   | 116   | 112   | 117   | - 10  |
|               | ш            | MA           | E       | ၁့             | 42.1  | 41.7  | 41.7 | 42.1 | 41.3  | 41.5 | 41.4  | 41.6  | 42.1 | 42.5  | 42.2 | 42.1  | 41.9 | 42.2 | 61.9  | 41.1 | 40.7  | 41.0 | 41.6 | 41.6 | 41.3 | 41.1  | 41.1 | 40.7  | 41.6 | 41.2  | 41.4  | 41.3  | 40.3  | 40.5  | 41.4  |
| 4             | STATION NAME |              | AVERAGE | <b>4</b> °     | 107.7 |       | -    | -    | 106.4 | -    | 106.5 | 106.9 | _    | 108.5 |      |       | -    | •    |       |      | 105.2 | •    | •    |      |      | 106.0 |      | 105.2 |      | 106.1 | 106.5 | 106.3 | 104.5 | 104.9 | 106.6 |
| YUMA, ARIZONA | S            |              |         | o°.            | 33.3  | 33.4  | 33.8 | 33.7 | 33.3  | 33.4 | 33.7  | 33.9  | 34.3 | 34.8  | 34.6 | 34.4  | 34.4 | 34.7 | 34.6  | 34.2 | 34.2  | 34.2 | 34.5 | 34.6 | 34.3 | 34.2  | 34.3 | 33.9  | 34.6 | 34.4  | 34.3  | 34.5  | 34.1  | 34.0  | 36.6  |
| ×0.7          |              | MEAN TEMP    | AVERAGE | ٥, ٩           | 91.9  | 92.2  | 95.8 | 92.7 | 61.6  | 92.1 | 95.6  | 93.0  | 93.7 | 94.7  | 94.2 | 0.46  | 63.6 | 4.46 | 94.3  | 93.6 | 93.5  | 93.6 | 1.46 | 2.46 | 93.7 | 93.6  | 93.8 | 93.1  | 94.2 | 0.46  | 93.7  | 94.1  | 93.3  | 93.2  | 6.46  |
| 23195         | STATION      |              |         | DAY            | 1     | 2     | 3    | 4    | 5     | 9    | 7     | 80    | 6    | 10    | 11   | 12    | 13   | 14   | 15    | 16   | 17    | 18   | 19   | 20   | 21   | 22    | 23   | 24    | 25   | 26    | 27    | 28    | 29    | 30    | 31    |

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\*ALSO ON EARLIER YEARS

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# DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA 1949-1977

STATION NAME

YUMA, ARIZONA

23199 STATION

MONTH

AUGUST

YEARS

MAXIMUM TEMP

MEAN TEMP

MINIMUM TEMP

1950\* 1975 1976# 956 1961 1961 986 696 1984 20.02 9.02 20.0 0.02 20.6 22.8 21.1 EXTREME 89 0 69 69 0 69 63 69 60 9 89 0 26.2 27.3 27.73 26.3 26.2 26.2 25:1 26.9 26. AVERAGE 80.4 80.9 79.2 79.3 80.0 78.3 80.3 1969\* 1969\* 1962# 1960 1969 6961 1961 1950 1962 1962 1962 1962 1950 1661 45.0 45.6 45.6 40.45 45.0 47.2 45.6 45.6 45.6 45.0 46.7 46.1 46.1 1.94 46.7 46.1 46.1 EXTREME \*! 113 40.4 41.4 41.0 40.0 40.0 AVERAGE 106.0 107.2 106.0 106.6 104.8 105.0 104.7 106.4 8.90 104.8 6.401 104.5 34.3 33.8 34.2 33.2 33.6 34.2 33.3 34.1 33.3 33.1 33.1 ပ AVERAGE 93.6 93.7 93.7 91.6 91.8 92.0 95.4 DAY 15 18 10 = 12 13 14 16 17 19 8 21 22 S 9 œ 6

ALSO ON EARLIER YEARS

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> 1956 1962

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### NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

YUMA, ARIZONA

23195 STATION

STATION NAME

1948-1977

YEARS

SEPTEMBER

|               |         | DATE       | 1966  | 1973  | 1964  | 1961  | 1961  | 1961  | 1973  | 1965  | 1965  | 1972  | 1952  | 1952  | 1952  | 1970  | 1970  | 1970  | 1968* | 1968 | 1973* | 1965  | 1955  | 1961 | 1968 | 1968  | 1961 | 1971  | 1441 | 1971 | 1963  | 1980  |    | 1965    |
|---------------|---------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|------|------|-------|------|-------|------|------|-------|-------|----|---------|
| 4             | √E      | ွ          |       | 18.3  | 19.4  | 18.9  | 17.8  | 18.9  | 20.0  | 17.8  | 17.8  | 20.0  | 15.6  | 1001  | 17.2  | 16.1  | 15.6  | 16.7  | 17.2  | 16.7 | 17.2  | 11.7  | 13,3  | 13.9 | 13,3 | 15.0  | 15.0 | 14.4  | 14.4 | 13.9 | 15.6  | 14.4  |    | 11.7    |
| MINIMOM I EMP | EXTREME | ,<br>F     | 99    | 69    | 19    | 99    | 99    | 99    | 89    | 79    | *0    | 99    | 09    | 10    | 63    | 19    | 00    | 62    | 69    | 29   | 63    | 23    | 96    | 57   | 26   | 66    | - 29 | 28    | 58   | 57   | 00    | 58    |    | 53      |
|               |         | o°.        | 24.7  | 25.1  | 25.4  | 25.2  | 24.9  | 24.7  | 25.0  | 25.2  | 25.4  | 25.1  | 24.7  | 24.6  | 24.2  | 23.1  | 22.8  | 8.22  | 25.2  | 22.1 | 21.7  | 20.8  | 20.7  | 20.8 | 20.3 | 5.02  | 20.5 | 20.5  | 9.02 | 20.4 | 8.02  | 1.02  |    | 22.8    |
|               | AVERAGE | <b>₽</b> ° | 76.4  | 77.2  | 77.8  | 77.3  | 76.9  | 76.4  | 77.0  | 77.4  | 77.7  | 77.2  | 76.4  | 76.2  | 75.5  | 73.5  | 73.1  | 73.1  | 72.0  | 71.8 | 71.1  | 4.69  | 69.3  | 69.5 | 68.5 | 68.89 | 6.89 | 6.99  | 69.1 | 68.7 | 69.5  | 2.89  |    | 73.0    |
|               |         | DATE       | 1950  | 1962* | 1955* | 1955  | 1955* | 1958+ | 1955  | 1963  | 1963  | 1956  | 1971* | 1971* | 1953* | 1971* | 1952* | 1962  | 1956  | 1956 | 1962  | 1958# | 1954+ | 6961 | 9961 | 1956  | 1963 | 1963* | 1963 | 1963 | 16961 | 1969* |    | 1950    |
|               | Te.     | o°.        | 9006  | 45.6  | 46.1  | 46.1  | 45.0  | 4.44  | 45.0  | 45.6  | 45.0  | 45.6  | 45.0  | 45.6  | 4.44  | 42.8  | 43.3  | 43.3  | 45.6  | 45.0 | 4.44  | 42.2  | 43.3  | **** | 43.3 | 43.3  | 44.4 | 43.3  | 43.9 | 42.2 | 41.7  | 41.1  |    | 9006    |
| MAXIMUM LEWIT | EXTREME | LL o       | 123   | 114   | 115   | 115   | 113   | 112   |       | 114   | 113   | 114   | 113   | 114   | 112   | 109   | 110   | 110   | 114   | 113  | 112   | 108   | 110   | 112  | 110  | 110   | 112  | 110   | 111  | 108  | 101   | 106   |    | 123     |
|               | щ       | ွ          | 39.9  | 40.1  | 40.2  | 40.1  | 40.3  | 40.3  | 40.1  | 4004  | 40.8  | 40.2  | 39.7  | 39.4  | 39.4  | 38.9  | 38.7  | 38.4  | 38.0  | 37.3 | 30.9  | 36.9  | 37.4  | 36.7 | 37.1 | 37.3  | 37.0 | 37.6  | 37.0 | 37.2 | 36.7  | 36.9  |    | 38.6    |
|               | AVERAGE | <b>L</b> ° | 103.9 | 104.1 | 104.3 | 104.2 | 104.5 | 104.5 | 104.2 | 104.7 | 105.4 | 104.4 | 103.4 | 103.0 | 102.9 | 102.1 | 101.6 | 10101 | 100.4 | 99.2 | 98.5  | 98.5  | 7.66  | 98.1 | 7.86 | 1.66  | 98.6 | 99.66 | 98.6 | 6.86 | 196   | 98.5  |    | 101.4   |
|               |         | o°.        | 32.3  | 32.6  | 32.8  | 32.7  | 32.6  | 32.4  | 32.6  | 32.8  | 33.1  | 32.7  | 32.2  | 32.0  | 31.8  | 31.0  | 30.7  | 30.6  | 30.1  | 29.7 | 29.3  | 28.8  | 29.1  | 28.8 | 28.7 | 28.9  | 28.8 | 29.0  | 28.8 | 28.8 | 28.8  | 28.5  |    | 30.7    |
| MEAN LEMP     | AVERAGE | <b>L</b> 0 | 90.2  | 90.06 | 91.1  | 8006  | 90.7  | 4.06  | 90.06 | 91.0  | 91.6  | 90.8  | 6.68  | 89.6  | 89.2  | 87.8  | 87.3  | 87.1  | 86.2  | 85.5 | 84.8  | 83.9  | 84.3  | 83.8 | 83.6 | 84.0  | 83.8 | 84.2  | 83.9 | 83.8 | 83.8  | 83.3  |    | 87.2    |
|               |         | DAY        | 1     | 2     | 8     | 4     | 5     | 9     | 7     | 8     | 6     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18   | 19    | 20    | 21    | 22   | 23   | 24    | 25   | 26    | 77   | 28   | 29    | 30    | 31 | Monthly |

\*ALSO ON EARLIER YEARS

5725 DAILY AVERAGEEXTREME TEMP MAR 197

200

DAILY AVERAGE/EXTREME TEMPERATURES NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

23195 STATION

STATION NAME

1948-1977

MONTH OCTOBER

YEARS

|         | MEAN TEMP | EMP  |         | MA   | MAXIMUM LEMP | AL.   |       |            | 2    | MINIMOM LEMP | _    |       |
|---------|-----------|------|---------|------|--------------|-------|-------|------------|------|--------------|------|-------|
| _       | AVERAGE   | GE   | AVERAGE | SE   | EXTREME      | ME    |       | AVERAGE    | E    | EXTREME      | ME   |       |
| DAY     | u.        | ၁့   | ٠<br>٦° | ပ    | e.           | ၁့    | DATE  | <b>H</b> ° | o°.  | a,           | ၁့   | DATE  |
| -       | 83.0      | 28.3 | 97.8    | 36.6 | 107          | 41.7  | 1955* | 68.1       | 20.1 | 96           | 13.3 | 1971  |
| 2       | 82.5      | 28.1 | 96.8    | 36.0 | 106          | 41.1  | 1962  | 68.2       | 20.1 | 55           | 12.8 | 1959  |
| 3       | 81.7      | 27.6 | 95.6    | 35.3 | 108          | 42.2  | 1952  | 67.8       | 19.9 | 53           | 12.8 | 1959  |
| 4       | 9000      | 27.0 | 95.1    | 35.1 | 109          | 42.8  | 1952  | 66.2       | 19.0 | 58           | 12.8 | 1959  |
| 2       | 80.5      | 26.9 | 94.8    | 34.9 | 106          | 41.1  | 1952  | 66.3       | 19.1 | 53           | 12.8 | 1962  |
| 9       | 80.3      | 26.8 | 94.5    | 34.7 | 105          | 40.6  | 1960* | 0.99       | 18.9 | 53           | 11.7 | 1969  |
| 7       | 80.1      | 26.7 | 94.5    | 34.7 | 901          | 41.1  | 1952  | 65.7       | 18.7 | 57           | 13.9 | 1969  |
| 8       | 78.9      | 26.1 | 93.7    | 34.3 | 901          | 41.1  | 1963  | 64.2       | 17.9 | 53           | 12.8 | 1970* |
| 6       | 78.9      | 26.1 | 94.1    | 34.5 | 105          | 40.0  | 1991  | 63.7       | 17.6 | 64           | 6    | 1961  |
| 10      | 78.7      | 25.9 | 93.8    | 34.3 | 107          | 41.7  | 1991  | 63.7       | 17.6 | 64           |      | 1961  |
| 11      | 78.0      | 25.6 | 93.2    | 34.0 | 107          | -     | 1950  | 65.9       | 17.2 | 64           | 4.6  | 1973  |
| 12      | 78.0      | 25.6 | 93.6    | 34.2 | 109          | 42.8  | 1950  | 62.4       | 16.9 | 52           |      | 1973  |
| 13      | 78.1      | 25.6 | 93.7    | 34.3 | 105          | 40.6  | 1958  | 62.5       | 16.9 | 20           | 10.0 | 1969  |
| 14      | 78.3      | 25.7 | 93.4    | 34.1 | 105          | 40.6  | 1961  | 63.3       | 17.4 | 55           | 12.8 | 1956  |
| 15      | 77.2      | 25.1 | 91.8    | 33.2 | 105          | 40.6  | 1958* | 62.7       | 17.1 | 52           | 11.1 | 1966  |
| 16      | 76.4      | 24.7 | 91.5    | 33.1 | 106          | 41.1  | 1958  | 61.3       | 16.3 | 84           | 8.9  | 1966  |
| 17      | 76.1      | 24.5 | 1006    | 32.6 | 104          | 40.0  | 1959* | 61.5       | 16.4 | 53           | 11.7 | 1971* |
| 18      | 74.8      | 23.8 | 89.6    | 32.0 | 103          | 39.4  | 1959  | 1.09       | 15.6 | 84           | 8.9  | 1971  |
| 19      | 74.4      | 23.6 | 89.2    | 31.8 | 102          | 38.9  | 1950  | 59.7       | 15.4 | 40           | 8.9  | 1971  |
| 20      | 74.2      | 23.4 | 88.8    | 31.6 | 101          | 38.3  | 1950  | 59.6       | 15.3 | **           | 6.7  | 1949  |
| 21      | 73.7      | 23.2 | 88.1    | 31.2 | 102          | 38.9  | 1952  | 59.3       | 15.2 | 66           | 4.6  | 1949  |
| 22      | 73.8      | 23.2 | 88.2    | 31.2 | 86           | 36.7  | 1959* | 39.4       | 15.2 | 51           | 10.6 | 1971  |
| 23      | 73.6      | 23.1 | 87.8    | 31.0 | 102          | 38.9  | 1959  | 59.3       | 15.2 | 16           | 10.6 | 1957* |
| 24      | 72.8      | 22.7 | 87.1    | 30.6 | 105          | 40.6  | 1959  | 58.5       | 14.7 | 64           | 4º6  | 1961  |
| 25      | 72.3      | 22.4 | 87.3    | 30.7 | 100          | 37.8  | 1959  | 57.3       | 14.1 | 64           | 8.9  | 1971* |
| 26      | 711.7     | 22.1 | 87.1    | 30.0 | 96           | 35.6  | 1968* | 56.3       | 13.5 | 94           | 7.8  | 1971  |
| 27      | 72.7      | 22.6 | 87.0    | 30.6 | 96           | 35.6  | 1962  | 58.5       | 14.7 | 20           | 10.0 | 19861 |
| 28      | 72.0      | 22.2 | 86.3    | 30.2 | 66           | 36.1  | 1965* | 57.8       | 14.3 | 16           | 10.6 | 1971  |
| 29      | 40.01     | 21.6 | 84.9    | 29.4 | 86           | 36.7  | 1952  | 57.0       | 13.9 | 39           | 3.9  | 1991  |
| 30      | 68.89     | 20.4 | 82,3    | 27.9 | 86           | 36.7  | 1962  | 55.4       | 13.0 | 35           | 1.7  | 1971  |
| 31      |           | 20.1 |         | 28.3 | 66           | 35.0  | 1962  | 53.5       | 11.9 | 36           | 2.2  | 1971  |
| Monthly | 74.2      | 34.4 | 8.00    | 12.7 | 100          | 4.5.4 | 10694 | 4.14       | 14.4 | 38           | 6.1  | 1001  |

\*ALSO ON EARLIER YEARS

# NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME

1948-1977

MONTH

NOVEMBER

YEARS

|              |         | DATE           | 1972 | 1956  | 1986 | 1956 | 1956 | 1968 | 1959* | 1971* | 1955* | 1966  | 1966 | 1950 | 1972* | 1964 | 1961 | 1961  | 1958 | 1958 | 1961 | 1953 | 1953 | 1953 | 1961 | 1952 | 1952 | 1966  | 1973 | 1968* | 1976 |      |    | 1958    |
|--------------|---------|----------------|------|-------|------|------|------|------|-------|-------|-------|-------|------|------|-------|------|------|-------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|------|----|---------|
| Ь            | AE      | ၁့             | 9.6  | 5.6   | 7.8  | 4.4  | 5.0  | 7.2  | 8.3   | 6.3   | 7.2   | 2.0   | 5.0  | 3,3  | 6.7   | 4.4  | 4.4  | 9.0   | 1-1- | 2.2  | 1.1  | 2.2  | 8.2  | 2.2  | 3.9  | 2.2  | -:-  | 2.8   | 3.3  | 2.8   | 3.3  | 2.2  |    | -1:1-   |
| MINIMUM TEMP | EXTREME | ₽°             | 24   | 24    | 94   | 04   | 14   | 648  | 44    | 44    | 69    | 1,    | 14   | 38   | **    | 04   | 04   | 33    | 30   | 36   | 34   | 36   | 31   | 36   | 39   | 36   | 34   | 37    | 38   | 33    | 38   | 36   |    | 30      |
| Σ            |         | ၁့             | 12.0 |       | 12.6 | 12.2 |      |      | 11.4  |       | 11.1  | 11.2  | 11.2 | 11.2 | 11.3  | 10.7 | 10.2 |       | 6.9  | 8.8  | 8.7  | 8.4  | 1.6  | 0.6  | 0.6  | 8.3  | 0.6  | 8.6   | 8.7  | 7.9   | 8.7  | 8.1  |    | 10.2    |
|              | AVERAGE | H°.            | 53.6 | 54.1  | 54.6 | 93.9 | 54.2 | 53.8 | 52.5  | 52.4  | 52.0  | 52.1  | 52.2 | 52.1 | 52.4  | 51.2 | 50.3 |       | 48.7 | 47.9 | 47.7 | 47.2 | 48.4 | 48.2 | 48.2 | 47.0 | 48.2 | 49.7  | 47.7 | 46.3  | 47.6 |      |    | \$0.4   |
|              |         | DATE           | 8    | 1953# | 1962 | 1962 | 1950 | 1950 | 1950  | 1950  | 1962+ | 1956  | 1973 | 1963 | 1967  | 1967 | 1961 | 1949  | 1949 | 1949 | 1949 | 1950 | 1950 | 1950 | 1950 | 1950 | 1950 | 1950* | 1950 | 1954  | 1950 | 95   |    | 1962    |
| 4            | 1E      | ၁ွ             | 35.6 |       |      |      |      | 33.3 |       |       |       | 2.    | 3.   | 33.3 | -     | -    | -    |       | -    | -    |      |      | 32.2 | 2.   | 0    | 31.7 | 32.2 | 0     |      | 30.6  | 0    | 28.3 |    | 36.7    |
| MAXIMUM TEMP | EXTREME | <b>L</b>       | 96   | 76    | 86   | 66   | 63   | 92   | 96    | 76    | 16    |       | 26   | 26   | 68    | 99   | 68   | 67    | 88   | 88   | 80   | 87   | 06   | 16   | 87   | 68   | 06   | 87    | 60   | 87    | 22   | 83   |    | 96      |
| MA           | E       | ၁့             | 4.82 |       | 28.8 |      | 7.82 | 28.2 | 27.9  | 27.5  | 27.5  | 2     |      | 9    | 25.7  | 25.2 | -    |       |      |      | 23.5 | 3    |      | 23.3 |      |      | *    |       |      |       | 22.8 | 2.   | 1  | 28.5    |
|              | AVERAGI | L <sub>o</sub> | 83.1 |       |      |      | 83.1 | 82.7 | 82.2  | 81.5  | 81.5  | 81.5  | 81.2 | 80.0 | 78.2  | 77.3 | 75.8 | 75.4  | 75.1 | 73.9 | 74.3 | 74.5 | 74.4 | 74.0 | 74.5 | 76.6 | 76.6 | 75.8  | 74.2 | 73.9  | 73.1 | 72.5 |    | 77.9    |
|              |         | ၁့             | 20.2 | 20.2  | 20.7 | 20.4 | 20.4 | 20.1 | 19.6  | 19.4  | 19.3  | 19.3  | 19.3 | 18.9 | 18.5  | 17.9 | 17.2 | 17.0  | 16.6 | 16.1 | 1991 | 16.0 | 16.3 | 16.2 | 16.3 | 16.6 | 16.9 | 17.1  | 1601 | 15.6  | 15.8 | 19.3 |    | 17.8    |
| MEAN TEMP    | AVERAGE | <b>L</b> 0     | 4.89 | 68.3  | 69.3 | 8.89 | 68.7 | 68.2 | 67.3  | 6.99  | 1.99  | 86.99 | 66.7 | 66.1 | 65.3  | 64.2 | 63.0 | 95.29 | 61.9 | 6009 | 61.0 | 8009 | 4.19 | 61.1 | 61.3 | 61.8 | 62.4 | 62.7  | 6.09 | 1.09  | 4.09 | 59.5 |    | 64.1    |
| -            |         | DAY            | -    | 2     | 3    | 4    | 5    | 9    | 7     | 80    | 6     | 10    | 11   | 12   | 13    | 14   | 15   | 16    | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26    | 27   | 28    | 29   | 30   | 31 | Monthly |

0 0 0 0

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

# DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA 1948-1977

STATION NAME

YUMA, ARIZONA

23199 STATION

MONTH

DECEMBER

YEARS

1972\* 1952\* 1971 1953 1960 0961 1972 1964 1964 1964 1968 952 948 1968 1968 1968 1968 1968 0.0000 -1.1 -0.6 2.2 9.0 0.0 9.0 1.1 1.1 -1.1 7 1:1-1.7 ပ EXTREME MINIMUM TEMP 30 30 30 30 96 33 28 33 40 5.5 0000 0.0000 6.4 1.9 1.9 5.9 AVERAGE 43.0 0.00 44.1 43.0 42.4 6.44 44.6 44.1 42.2 44.3 44.3 42.7 42.7 1955\* 1950 1960# 1958\* 1958\* 1955\* 1962 1950 1950 1950 1950 1959 1958 1966 1958 1952 1963 1963 1949 1958 1958 1991 28.3 28.9 28.9 29.4 29.4 27.2 27.8 28.3 27.2 27.8 26.7 26.1 25.0 27.2 26.7 26.7 27.2 26.1 28.3 EXTREME MAXIMUM TEMP 81 83 82 818 8 E 60 C 85 85 8 20.9 19.6 20.1 20.6 20.1 22.6 22.1 9.12 20.9 20.5 20.3 19.8 19.2 20.6 20.9 1.02 19.3 20.7 20.7 AVERAGE 69.6 67.6 69.6 67.2 66.6 70.8 69.9 68.9 68.89 15.6 14.9 13.9 13.4 13.6 13.6 13.1 13.8 13.5 13.3 13.3 13.3 13.3 3.0 13.2 12.7 12.4 12.3 12.1 14.7 14.3 13.7 00 MEAN TEMP AVERAGE 56.3 56.3 55.9 55.9 56.4 56.7 57.0 56.7 56.5 55.9 55.8 55.5 54.4 56.9 54.8 Monthly DAY 10 = 12 13 4 15 16 11 18 19 20 22 23 24 25 92 27 28 53 30 21 4 9 1 00 6

949

ALSO ON EARLIER YEARS

INI

DIRNAVOCEANMET-SMOS

### **EXTREME VALUES**

MAXIMUM TEMPERATURE

YUMAS ARIZONA

WHOLE DEGREES FAHRENHEIT

|     | E    | MAR.  | APR. | MAY   | NO.     | JOI.  | AUG.  | SEP.  | OCT.  | NOV.  | DEC.  | ALL |
|-----|------|-------|------|-------|---------|-------|-------|-------|-------|-------|-------|-----|
|     |      |       |      |       |         |       |       |       | 106   |       | 74    |     |
|     | *0   | 87    | 105  | 108   | 112     |       | -     | 112   | 102   |       | **    | -   |
|     | 87   | 98    | 103  | 105   |         | -     | -     | 123   | 100   |       | 88    | 2   |
|     | 93   | 16    | 100  | 115   | 1       | -     | -     | 112   | 101   |       | 79    | -   |
|     | 84   | 89    | 66   | 108   |         | -     | -     | 113   | 109   |       | 82    | -   |
|     | 88   | 63    | 100  | 100   |         |       | -     | 113   | 104   | *     | 82    | 114 |
| 1   | 26   | 16    | 101  | 104   |         | -     | -     | 110   | 102   |       | 79    | -   |
|     | 8.5  | 63    | 95   | 105   | Re      |       | -     | 119   | 101   |       | 82    |     |
|     | 90   | 95    | 96   | 109   |         | -     | -     | 1.14  | 102   | 16    | 80    | -   |
|     | *    | 63    | 97   | 103   | -       |       | -     | 112   | 103   | **    | 80    |     |
|     | 86   | 83    | 101  | 113   |         | -     | -     | 112   | 106   | 92    | 86    | -   |
|     | 84   | 06    | 106  | 1.00  | Service | -     | -     | 112   | 109   | 89    | 83    |     |
|     | 80   | 96    | 101  | 113   |         | -     | -     | 114   | 103   | 63    | 80    | -   |
|     | 89   | 66    | 104  | 103   |         | -     | -     | 106   | 105   | 50    | 80    | -   |
|     | 87   | 93    | 106  | 104   |         |       | -     | 174   | 106   | 86    | *0    | -   |
|     | 92   | 16    | 86   | 101   |         | -     | -     | 114   | 100   | 92    | 81    | -   |
|     | 82   | 86    | 100  | 101   |         | -     | -     | 106   | 104   | 8 8   | 79    | -   |
|     | 98   | 48    | 102  | 103   | C       | -     | -     | 101   | 107   | 00    | 73    | -   |
|     | 78   | 86    | 44   | 104   |         | -     | -     | 110   | 46    | 16    | 63    | -   |
|     | 69   | 91    | -    | 105   | _       | -     | -     | 102   | 96    | 69    | *     | ~   |
|     | 60   | 26    | 46   | 108   | -       | -     | 0     | 112   | 96    | 84    | 7.5   | -   |
| 100 | 16   | 96    | *    | 101   | 1       | -     | -     | 112   | 100   | 9     | 7.8   | -   |
|     | 99   | 89    | 76   | 100   | -       | -     | -     | 109   | 101   | 63    | 76    | -   |
|     | 96   | 96    | 99   | 9.6   | 500     | -     | 0     | 174   | 86    | *     | 75    | -   |
|     | 88   | 66    | 44   | 102   | -       | -     | -     | 109   | 104   | 8     | 20    | ~   |
|     | 79   | 78    | 66   | 108   | 113     | -     | -     | 109   | 001   | 92    | 2     | 11  |
|     | 18   | 92    | 98   | 109   |         | -     | -     | 110   | 102   | **    | 73    | -   |
|     | 98   | 87    | 60   | 104   | 0       | -     | -     | 101   | 103   | 16    | 82    | -   |
|     | 84   | 06    | 86   | 106   | 114     | 114   | 110   | 901   | 46    | 16    | 16    | -   |
|     |      | 96    | 88   | 105   | 113     | -     | 11    | 3     | 66    | 87    | 80    | 111 |
| 8   | 5.3  | 0116  | 98.9 | 105.7 | 3.      | 114.1 | 1120  | 110:8 | 102.8 | 0     | 6     | -   |
|     | .418 | 4.355 | 543  | •     | 3       | 2.1   | 2.041 | 0.4   | 3.677 | 3.963 | 3.569 | 2.5 |
|     | 819  | 899   | 870  |       | 870     | 8     | 68    | 8     | 930   | 870   | 930   | 90  |

NAVWEASERVCOM

100 O

13

MAXINUM TEMPERATURE

**EXTREME VALUES** 

0

48-77

JEASED ON LESS THAN FULL MONTHS!

| MAY JUN.  |        |                  |  |  |  |  |  |  |  |  |
|-----------|--------|------------------|--|--|--|--|--|--|--|--|
| JUN. JUL. |        |                  |  |  |  |  |  |  |  |  |
| I. AUG.   |        |                  |  |  |  |  |  |  |  |  |
| SEP.      | 109    |                  |  |  |  |  |  |  |  |  |
| OCT. NOV. |        | 91               |  |  |  |  |  |  |  |  |
| DEC. MO   | MAX TE | MAX TEMP<br>DAYS |  |  |  |  |  |  |  |  |

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NAVWEASERVCOM

ND

### EXTREME VALUES

MINIMUM TEMPERATURE

MHOLE DEGREES FAHRENHEIT

| ALL  |    | 29  | 30 | 31 | 90 | 31 | 28 |    |    | 35 |    |    | 90 |    | 28 | 26 | 90 | 31  | 16  | 32  | 27 | 33 | 35 | 24  | 30  | 30  | 16  | 31  | 27 | 35  | 30.5 | 2.861 |
|------|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|----|----|----|-----|-----|-----|-----|-----|----|-----|------|-------|
| DEC. | 39 | 29  | 38 | 34 | 36 | 31 | 28 | 35 | 38 | -  | 39 | 39 | 33 | 36 | 35 | 38 | 30 | 35  | 31  | 34  | 27 | 33 | 35 | 31  | 30  | 36  | 31  |     |    |     | 34.3 |       |
| NOV. | 24 | 4.7 | 38 | 39 | 34 | 36 | 42 |    |    | 30 | 30 |    | 1, |    | 42 | *  | 33 | -   | 37  | 4.3 | 37 | 42 | 45 | 30  | 0.  | 38  | 42  | 36  | 38 | 43  | .6   | 3.578 |
| OCT. | 48 | **  | 57 | *  | 09 | 20 | 94 | 26 | *  | 51 | 25 | *  | 24 | 9  | 53 | 28 | 34 | 52  | 648 | 5   | 53 | 20 | 94 | 33  | 4.7 | •   | 8.5 | 4.7 | 20 | 52  | 50.0 |       |
| SEP. |    | (3  | 20 | 2  | 00 | 66 | 60 | 10 | 60 | 60 | 69 | 2  | 50 | 64 | 20 | 0  | *0 | 60  | 90  | 50  | 96 | 90 | 00 | 7   | -   | 3   | 60  | 90  | 69 | 69  | 6119 |       |
| AUG. |    |     |    | 69 |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |    |    |    |     |     |     |     |     |    |     | 7007 | 0     |
| JUL. |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     | 72  |     |    |    |    |     |     |     |     |     |    |     | 72.0 | 3.268 |
| , S  |    | 49  |    |    | 62 |    |    |    |    |    |    |    |    |    |    |    |    |     | 62  |     |    |    |    |     | 67  |     |     |     |    |     | 1.   | 4.031 |
| MAY  |    | 53  | 20 | 64 | 28 | 51 | 64 | 64 | 24 | 24 |    |    | 24 |    | 25 | 34 | 47 | 20  | 96  | 94  | 24 | 51 | 15 | 31  | 57  | 2   | 53  | 64  | 58 | 53  | 52.3 | 7     |
| APR. |    | 47  |    |    | 52 |    |    | 42 |    |    |    |    |    |    |    | *  | ** | 9.0 | 48  | 24  | 40 | 40 | ** | *   | 45  | 4.3 | 64  | 43  | 45 | 4.1 | 45.6 | •     |
| MAR. |    | 42  | 43 | 32 | 39 | 36 | 36 | 37 | 33 | 40 | 1+ | 43 | ** | 45 |    | •  | 35 | 37  | 35  | 39  | 43 | 38 | 1+ | 34  | 45  | **  | 41  | 42  | 39 | 38  | 9.   | 3.642 |
| 10.  |    | 33  | 39 | 32 | 38 | 31 | 40 | 31 | 28 | 37 | *  | 37 | 32 | •  | 31 | 43 | 32 | 31  | 33  | 35  | 14 | 34 | 38 | 37  | 36  | 0+  | 38  | 33  | +3 | 37  | 36.0 | 4.110 |
| JAN. |    | 29  | 30 | 31 | 30 | 36 | 32 | *  | 36 | 35 | 37 | 37 | 30 | 37 | 88 | 82 | 30 | **  | 32  | 32  | 34 | 33 | 32 | 24  | 32  | 30  | 31  | 31  | 27 | 35  | 32.0 | 3.333 |
| YEAR | 84 | 64  | 90 | 25 | 52 | 53 | 34 | 35 | 96 | 57 | 98 | 39 | 00 | 01 | 62 | 69 | 10 | 65  | 99  | 67  | 99 | 69 | 10 | 7.1 | 72  | 73  | 74  | 75  | 16 | 77  | MEAN | S. D. |

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### **EXTREME VALUES**

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MINIMUM TEMPERATURE

48-77

YUMAS ARTZONA

/BASED ON LESS THAN FULL MONTHS!

| MONTHS | MIN TEMP | MIN TEMP |  |  |  |  |  |  |      |       |   |
|--------|----------|----------|--|--|--|--|--|--|------|-------|---|
| DEC.   |          |          |  |  |  |  |  |  |      |       |   |
| NOV.   |          | 29       |  |  |  |  |  |  |      |       | - |
| OCT.   |          |          |  |  |  |  |  |  |      |       |   |
| SEP.   | 101      |          |  |  |  |  |  |  |      |       |   |
| AUG.   |          |          |  |  |  |  |  |  |      |       | - |
| JUL.   |          |          |  |  |  |  |  |  |      |       | - |
| ,<br>N |          |          |  |  |  |  |  |  |      | 1     | - |
| MAY    |          |          |  |  |  |  |  |  |      |       |   |
| A.     |          |          |  |  |  |  |  |  |      |       |   |
| MAR.   |          |          |  |  |  |  |  |  |      |       |   |
| . E    |          |          |  |  |  |  |  |  |      |       |   |
| JAN.   |          |          |  |  |  |  |  |  |      |       |   |
| YEAR   | 48       | 55       |  |  |  |  |  |  | MEAN | S. D. |   |

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## PSYCHROMETRIC SUMMARY

LANOH HTH

73-77

YUMA, ARIZONA

23195 STATION

| Temp.       |    |     | 1   | 1   |     | -      | -       | WET BULB TEMPERATURE DEPRESSION (F) | ATURE    | EPRESSI  |           | 1         | 1         | 1         |             |         | TOTAL                     |       | TOTAL    |           |
|-------------|----|-----|-----|-----|-----|--------|---------|-------------------------------------|----------|----------|-----------|-----------|-----------|-----------|-------------|---------|---------------------------|-------|----------|-----------|
| _ 1         | 0  | 1.2 | 3.4 | 2.6 | 7.8 | 9 - 10 | 11 . 12 | 12 13 . 14 15 . 16 17 . 18 19 . 20  | 5 . 16 1 | 7 - 18 1 | 9 - 20 21 | 1 . 22 23 | 1 . 24 25 | . 26 27 . | 28 29 . 3   | 30 = 31 | D.B./W.B.                 | ٥     | Wet Bulb | Dew Point |
| 82/ 61      |    |     |     |     |     |        |         |                                     |          |          |           |           | . 2       | 7.7       |             | _       | N 100                     | N 45  |          |           |
| 1           | 1  | 1   | 1   | 1   | 1   | 1      | T       | 1                                   | +        | +        | +         | 7         | 17        | -         | +           | 1       |                           |       |          | 1         |
|             |    |     |     |     |     |        |         |                                     |          |          |           |           |           | _         | _           |         | 7.                        |       |          |           |
| 1           | 1  | 1   | 1   | 1   | 1   | +      | 1       | -                                   |          |          | 3         | :         | 9         | -         | +           | +       | -                         |       |          | 1         |
|             |    |     |     |     |     |        |         | •                                   | -        |          |           | •         | 7         | •         |             |         | 200                       |       |          |           |
| 1           |    |     |     |     |     | . *    |         | 7.                                  | •        | 7.       | •         | •         | 7.        |           | 4           | 4       | 63                        |       |          |           |
|             |    |     |     |     |     |        |         | 7.                                  | • 2      | • 0      | 9.        | 7.        |           |           |             |         | 52                        |       |          |           |
|             |    |     |     |     | -   |        | .2      | •                                   | •        | 1.2      | 1.2       |           |           |           |             |         | 52                        |       |          |           |
| 1           |    |     |     |     | •   |        |         | •                                   | •        | 1.0      |           | :         | -         | -         | -           |         | 2                         |       |          | L         |
|             |    |     |     |     |     | 0,     |         | 1.4                                 | 1.3      | 1.0      | 9.        |           |           |           |             |         | 76                        |       |          |           |
|             |    | -   | 1   | 7.  | •   | 1.     |         | 0.1                                 | 7.1      | 1:1      | +         | +         | +         | +         | -           | -       | 0                         | L     |          | L         |
|             |    |     | 7   | .2  | •   | 1.0    | 1:1     | 1.3                                 | 1.3      | 9        | _         |           |           | _         |             |         | 80                        |       | -        |           |
| 1           | 1  | -   | 7.  |     |     | 1.5    | 7.1     | 0.1                                 | 601      | 2.       | +         | +         | +         | -         | +           | -       | 6.6                       |       |          | L         |
|             |    | -   | 2.  | 1.2 |     | 1.1    | 1.7     | 1.8                                 | 1.1      | -        |           |           |           | _         |             |         | 97                        |       |          |           |
| 1           | 1  |     |     | 1:1 | =   | 1:1    | 1:1     | 1:                                  | 7.       | +        | +         | +         | +         | +         | +           | -       | 109                       |       |          |           |
|             | .2 |     | 1.1 | 00  | -   | 1.5    | 1.2     | 0.                                  |          |          |           |           | _         |           |             |         | 90                        |       |          |           |
|             |    |     |     | 0.1 | -   | 1.0    | 1.0     | 7.                                  | 1        | +        | +         | +         | +         | +         | 1           | +       | 6                         | 1     | 1        | 1         |
|             |    | 0   |     | 1   | -   | 1.6    | 1.4     |                                     |          |          |           |           |           |           |             |         | 74                        |       |          |           |
|             | 7. |     | 6.  | 1:1 | 2   | 1.5    | 1.      | 1                                   | +        | +        | +         | +         | +         | +         | +           | +       | 8                         |       | 139      |           |
|             | .2 | *   | .2  | 0   | -   | 1.0    |         |                                     |          | _        | _         |           | _         |           |             |         | 47                        |       |          |           |
|             | 2. |     | 7.  | 1.3 | -   | 0      |         | 1                                   | +        | +        | +         | +         | +         | +         | +           | +       | 36                        |       |          | 1         |
|             | -  |     | 10  |     |     |        |         |                                     |          | -        |           | _         |           |           |             |         | 20                        |       |          |           |
|             | *  | 3   |     |     | •   | 9      | 1       | 1                                   | 1        | 1        | 1         | 1         | +         | +         | 1           | 1       | 3                         |       |          | 1         |
|             |    |     |     |     |     | 7.     |         |                                     |          |          |           |           |           |           |             |         | 5                         |       |          |           |
|             |    |     |     |     | •   |        |         |                                     |          |          |           | _         | _         |           |             |         | 13                        |       |          |           |
|             |    |     | 7.  | 7.  | •   |        |         |                                     |          |          |           | -         | -         | -         | -           |         | 9                         |       |          | L         |
|             |    | -   |     | 7.  |     |        |         |                                     |          |          | _         |           |           |           |             |         | *                         |       | 32       |           |
| 1           |    | -   | -   |     |     |        |         |                                     | 1        | +        | -         | -         | +         | -         | -           |         | -                         | -     |          | L         |
|             |    |     |     |     |     |        |         |                                     |          |          |           |           |           | _         |             |         |                           |       | 9        |           |
|             |    |     |     |     |     |        |         |                                     | 1        | +        | +         | -         | -         | -         | -           |         |                           |       | -        | L         |
|             |    |     |     |     |     |        |         |                                     |          |          |           |           | _         |           |             | _       |                           |       |          | _         |
| 12 /22      |    |     |     |     |     |        |         |                                     |          |          |           |           |           | -         | _           | _       |                           |       |          | _         |
|             |    | 1   | 1   | 1   | 1   | 1      | 1       | 1                                   | 1        | +        | +         | +         | +         | +         | 1           | 1       | 1                         |       |          | 1         |
|             |    |     |     |     |     |        |         |                                     |          |          |           |           |           |           |             |         |                           |       |          |           |
| Element (X) |    | 2x2 |     |     | ZX. |        | ×       | σ×                                  |          | No. Obs. |           |           |           | Med       | Mean No. of | Hours w | of Hours with Temperature | ıture |          |           |
| Rei. Hum.   |    |     |     |     |     |        |         |                                     |          |          |           | ≥ 0 F     | ≥ 32      | F ≥ 67    | 7 F         | ≥73 F   | ≥80 F                     | ≥ 93  | F        | Total     |
| ory Bulb    |    |     |     |     |     | -      |         |                                     | -        |          |           |           |           |           |             |         |                           |       | -        |           |
| Wet Rulb    |    |     |     |     |     | -      | -       | -                                   | -        | -        | -         | -         | -         | 1         | -           |         |                           | -     | -        |           |
|             |    |     |     |     |     | -      |         |                                     |          |          |           |           |           |           |             |         |                           |       | _        |           |

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| 5 | PSYCHROMETRIC | SU |
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PSYCHROMETRIC SUMMARY

| 23195       | 2  | MA  | YUMAS ARIZONA |             |              |        |              |   |          |           |          |          |          |          |           |        |                                    |          | 1      | 200      | -          |
|-------------|----|-----|---------------|-------------|--------------|--------|--------------|---|----------|-----------|----------|----------|----------|----------|-----------|--------|------------------------------------|----------|--------|----------|------------|
| STATION     |    |     |               |             | STATION NAME | _      |              |   |          |           |          |          |          | YEARS    |           |        |                                    |          | ما     | PAGE 2   | 2 (4.5.7.) |
| Temp        |    |     |               |             |              | -      | WET BUL      | WET BULB TEMPERATURE DEPRESSION (F)   | ATURE D  | EPRESSIC  | N (F)    |          |          |          |           |        | TOT                                | 14       |        | TOTAL    |            |
| E           | •  | 1.2 | 3.4           | 5.6         | 7 . 8        | 9 . 10 | 11 . 12      | 9. 10 11. 12 13. 14 15. 16 17. 18 19. 20 21. 22 23. 24 25. 26 27. 28 29. 30 | 5 . 16 1 | 7 . 18 15 | 2 . 20 2 | 1 - 22 2 | 3 - 24 2 | 5 - 26 2 | 7 . 28 29 |        | 231 D.B./W.B.                      | W.B. Dry | Bulb   | /et Bulb | Dew Poil   |
| 12/ 11      |    |     |               | -           | 1            |        |              |   |          |           |          |          |          |          |           |        |                                    |          |        |          | 16         |
| -           |    |     |               |             |              |        |              |   |          |           |          |          |          |          |           |        |                                    |          |        |          | = "        |
|             |    |     |               |             |              |        |              |   |          |           |          |          |          |          |           |        |                                    |          |        |          | 7 -        |
| 1           | 6. | 3.9 |               | 6.411.912.4 |              | 5.2    | 15.213.111.6 | 11,0  | 4.6      | 6.8       | 4:       | 2.5      | 1.2      | 3.       |           |        |                                    |          | 1240   |          | 1240       |
|             |    |     |               |             |              |        |              |   |          | 1         |          | 1        |          |          |           |        | 12                                 | 1240     |        | 1240     | 1          |
|             |    |     |               |             |              |        |              |   |          |           |          |          |          |          | +         |        |                                    |          |        |          |            |
|             |    |     |               |             |              |        |              |   |          |           |          |          |          |          |           | +      |                                    |          |        |          |            |
|             |    |     |               |             |              |        |              |   |          |           |          |          |          |          | +         |        |                                    | -        |        |          |            |
|             |    |     |               |             |              |        |              |   |          |           |          |          |          |          |           |        |                                    |          |        |          |            |
|             |    |     |               |             |              |        |              |   |          |           |          |          |          |          |           |        |                                    |          |        |          |            |
|             |    |     |               |             |              |        |              |   |          |           |          |          |          |          |           |        |                                    |          |        |          |            |
|             |    |     |               |             |              |        |              |   |          |           |          |          |          |          | +         | +      |                                    | +        |        |          |            |
|             |    |     |               |             |              |        |              |   |          |           |          |          |          |          |           |        |                                    |          | -      |          |            |
|             |    |     |               |             |              |        |              |   |          |           |          |          |          |          |           |        |                                    |          |        |          |            |
|             |    |     |               |             |              |        |              |   |          |           |          |          |          |          |           |        |                                    |          |        |          |            |
|             |    |     |               |             |              |        |              |   |          |           |          |          |          |          |           |        |                                    |          |        |          |            |
| Element (X) |    | 2x2 |               |             | X            | -      |              | O'X   |          | No. Obs.  | -        |          |          |          | Mean No   | of Hou | Mean No. of Hours with Temperature | perature |        |          |            |
| Rel. Hum.   |    | E   | 11011/2       |             | 2426         |        |              | 20.000  |          | 124       | 0        | ± 0 F    | 13       | ≤ 32 F   | ≥ 67 F    |        | ≥73 F ≥8                           | ≥80 F    | ≥ 93 F |          | Total      |
| Dry Bulb    |    | 30  | 3070840       |             | <b>6220</b>  |        |              | ?   | 86       | 1240      | 0        |          | -        | 0        | 42.       |        |                                    | 4.7      |        | -        | 0          |
| Wet Bulb    |    | 7   | 6660167       |             | 2480         | -      | 2100         | 70.0  | 20       | 77        | 0 4      |          | -        |          |           | -      |                                    | +        |        | 1        | 0          |
| Dew Point   |    | 777 | 1196771       |             | 30 16        | 7 13   | 0067         | 100   | 0        | 1240      | 0        |          |          | 200      |           |        |                                    |          |        |          |            |

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## PSYCHROMETRIC SUMMARY

FEB

| Temp.       |   |                |     |   |     |  | WET BUI           | B TEMPE              | WET BULB TEMPERATURE DEPRESSION (F)          | DEPRESSI | ON (F)   |                   |           |           |          |      | 101                    | 14       |        | TOTAL              |       |
|-------------|---|----------------|-----|---|-----|--|-------------------|----------------------|--|----------|----------|-------------------|-----------|-----------|----------|------|------------------------|----------|--------|--------------------|-------|
|             | 0 | 1.2            | 3.4 | 5.6                                     | 7.8 | 9 - 10   | 11 - 12           | 13 - 14              | - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 | 1 81 - 7 | 9 - 20 2 | 21 - 22 23        | 3 - 24 25 | 5 - 26 27 | . 28 29  | . 30 | D.B./                  | 1        | -      | Wet Bulb Dew Point | Dew P |
| 88 / 88     |   |                |     |   |     |  |                   |                      |  |          |          |                   |           |           | 2.       | 14.  | 6.                     | 40       | 40     |                    |       |
| 84/ 03      |   |                |     |   |     |  |                   |                      |  |          |          |                   |           | 7.        |          | 7.   | -                      | 0        | 20     |                    |       |
| 1           | 1 |                | 1   |   |     |  |                   |                      | 1  | 1        | +        | +                 | -         |           |          | +    | +                      |          |        | 1                  |       |
|             |   |                |     |   |     |  |                   |                      |  |          | 4        | • •               | - 10      |           | •        |      |                        | 180      | 2 20   |                    |       |
| 1           |   |                |     | T                                       |     |  |                   |                      |  | 0        |          |                   | 9         | 5         | +        | +    | +                      | 24       | 24     | 1                  |       |
| 74/ 73      |   |                |     |   |     |  |                   | .2                   | -  | 14       |          | 1.3               |           |           |          |      |                        | 35       | 30     |                    |       |
|             |   |                |     |   |     |  |                   | -:                   | •  | 1.2      | 1.5      | 0.1               | 1.        | -         | -        | -    | -                      | 57       | 57     |                    |       |
| 10/ 69      |   |                |     |   |     | • 1  | .3                | 4.                   |  |          | 1.2      | 4.                | .2        |           |          |      |                        | 47       | 47     |                    |       |
| 0           |   |                |     |   | -   | 7.   |                   |                      |  | 1.2      | 1.4      | • >               |           | -         |          |      |                        | 58       | 28     |                    |       |
|             |   |                |     |   | -   | .5   |                   |                      | 1.4  | 6.       | 1.3      | • 5               |           |           |          |      |                        | 14       | 14     |                    |       |
|             |   |                |     |   |     | ••   |                   |                      | 7.1  | 1.1      | 3.       | -                 | -         | -         | -        | -    |                        | 14       | 14     |                    |       |
|             |   | . 2            | -:  | 4                                       |     | 9.   |                   |                      | 1.3  | 1.1      | .2       |                   |           |           |          |      |                        | 130      | 18     | -                  |       |
|             |   | *              |     |   |     | 1.2  | 1                 | 1                    |  |          |          |                   | -         | -         | -        | -    | -                      | 10       | 10     | 00                 |       |
| 58/ 57      |   |                |     | *                                       | 8   |  | 6.                | •                    | 00   | 4.       |          |                   |           |           |          |      |                        | 69       | 69     | 39                 |       |
|             |   |                |     |   | 107 | 7.1  |                   |                      | 7.   | 7.       |          |                   |           |           |          |      |                        | 68       | 99     | 83                 |       |
|             |   | 1.0            | 1.0 | 1.9                                     |     | 1.5  |                   |                      | 7.   |          |          |                   |           |           |          |      |                        | 96       | 96     | 96                 | _     |
|             | : |                |     |   |     | 1:1  |                   | •                    | :  |          |          |                   |           |           | -        |      |                        | 7.8      | 18     | 130                | -     |
|             | - | •              | 0   |   | 1.2 | 2.1  |                   | •                    |  |          |          |                   |           |           |          |      |                        | 08       | 08     | 144                | 34    |
|             | : |                |     |   |     | 1.3  | •                 | 7.                   |  |          |          |                   |           |           |          |      |                        | 63       | 60     | 132                |       |
|             | - | 4              |     |   | ~   | •  | •                 |                      |  |          |          |                   |           |           |          |      |                        | 0        | 0      | 112                |       |
| 1           |   |                | •   |   |     | *  |                   | :                    |  |          |          |                   |           |           |          | -    |                        | 67       | 62     | 16                 |       |
| 45/ 41      |   |                | *   |   |     |  |                   |                      |  |          |          |                   |           |           |          |      |                        | 20       | 20     | 20                 | •     |
| 56 /05      |   |                | 7.  |   | 0   | 7.   |                   |                      |  |          |          |                   |           |           |          |      |                        | -        | -      | 82                 |       |
|             |   |                |     |   |     |  |                   |                      |  |          |          |                   |           |           |          |      |                        | •        | n      | 24                 | •     |
| 36/ 35      |   | :              |     |   |     |  |                   |                      |  |          |          |                   |           |           |          |      |                        | -        | -      | ≈:                 |       |
|             |   |                |     |   |     |  |                   |                      |  |          |          |                   |           |           |          |      | -                      |          | -      | 0,                 |       |
|             |   |                |     |   |     |  |                   |                      |  |          |          |                   |           |           |          |      |                        |          |        | n m                | 10    |
| 26/ 25      |   |                |     |   |     |  |                   |                      |  |          |          | 3.6               |           |           |          |      |                        |          |        |                    | 789   |
| -           |   |                |     |   |     |  |                   |                      |  |          |          |                   |           | -         |          | -    |                        |          |        |                    | 52    |
| Element (X) |   | $\Sigma_{X^2}$ |     |   | ZX  | H  | ×                 | σ×                   | H  | No. Obs. |          |                   |           |           | Mean No. | 4    | Hours with Temperature | perature |        |                    |       |
| Rel. Hum.   |   |                |     |   |     |  |                   |                      |  |          |          | ≥ 0 F             | ≥ 32      | 2 F       | ≥ 67 F   | ≥73  | F ≥80                  | 0 F      | ≥ 93 F | ĭ                  | Total |
| Dry Bulb    |   |                |     |   |     |  |                   |                      |  |          |          |                   |           |           |          |      |                        |          |        |                    |       |
| Wet Bulb    |   |                |     |   |     |  |                   |                      |  |          |          |                   |           |           |          |      |                        |          |        |                    |       |
|             |   |                |     | Annual Property and address of the last |     | A STATE OF THE PARTY OF THE PAR | Salar Salar Salar | Contract of the last |  |          |          | The second second | 1         |           | 1        |      |                        |          |        |                    |       |

12542-7605 #1

YUMAS ARIZONA

## PSYCHROMETRIC SUMMARY

FEB

73-77

YUMAS ARIZONA

23195

| TAUE C | HOURS (L.S.T.) | TOTAL                               | Dry Bulb Wet Bulb Dew Point                   |        |   |        |      |      |          | 1128      | 2                                  | ≥93 F     |          | 0.270    |
|--------|----------------|-------------------------------------|---|--------|---|--------|------|------|----------|-----------|------------------------------------|-----------|----------|----------|
|        |                | TOTAL                               | D.B./W.B.                                     |        |   |        |      |      |          |           | Mean No. of Hours with Temperature | ≥80 F     | 20.9     |          |
|        |                |                                     | 30 = 31                                       |        |   |        |      |      |          | . 3       | of Hours                           | ≥73 F     | 1.69     |          |
|        |                |                                     | - 28 29 -                                     |        |   |        |      |      |          | 1.4       | Mean No.                           | ₹ 67 F    | 165.6    |          |
|        |                |                                     | 4 25 - 26 27                                  |        |   |        |      |      |          | 2.0       |                                    | ≤ 32 F    | 1 1      | 0 0      |
|        |                |                                     | 1 - 22 23 - 24                                |        |   |        |      |      |          | 4.8 2.8   |                                    | 40 F      |          |          |
|        |                | ESSION (F)                          | 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 |        |   |        |      |      |          | 6.9       | · j                                | 128       | 1128     | 8711     |
|        |                | WET BULB TEMPERATURE DEPRESSION (F) | - 71 91 - 5                                   |        |   |        |      |      |          | 8.2 8.1   |                                    |           |          |          |
|        |                | JLB TEMPER                          | 13 - 14 1:                                    |        |   |        |      |      |          | 9.6       | x                                  |           | 10.040   | 0.034    |
|        |                | WET BU                              | 10 11 - 12                                    |        |   |        |      |      |          | .310.5    | ×                                  | 61.03     |          | 10/0     |
|        |                |                                     | 7 - 8 9 -                                     |        |   |        |      |      |          | 7.711.712 | Z <sub>X</sub>                     | 46587     | 06901    | 19160    |
|        |                |                                     | 1 5.6   |        |   |        |      |      |          | 0         |                                    |           |          |          |
|        |                |                                     | .2 3.4  |        |   |        |      |      |          | .7 7.     |                                    | 47382     | 4088593  | 21646    |
|        |                |                                     | 0 1.  |        |   |        |      |      |          | *         | ZX                                 | 2         | *        | *        |
|        |                | Temp.                               | -   | 18/ 17 | - | 12/ 11 | 2 /0 | 2/ 3 | 1 -/0 *- | TOTAL     | Element (X)                        | Rel. Hum. | Dry Bulb | Wet Bulb |

12648 - TEOS 8151

5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 00000000 WET BULB TEMPERATURE DEPRESSION (F) 73-77 Obs. 00000000 Š 100100 1.5 200000 × 1.4 × YUMA, ARIZONA 3.4 ----1.2 • 62/ 63 58/ 57 62 /02 62 /02 16 /28 59 /99 Dry Bulb Wet Bulb Dew Point 18/ 99 Element (X) Rel. Hum. 23195 145 26/

0

0

0

0

0

0

YEARS

PAGE 1 HOURS (L.S.T.)

MONTH MAR

231 D.B./W.B. 29 - 30

TOTAL

Dry Bulb Wet Bulb Dew Point 4 W D L 1 W D W D L D

-

0-0

80

900

Total

₹ 93 F

₹ 80 F

= 73 F

₹ 67 F

± 32 F

4 0 F

NAVWEASERVCOM

()

Mean No. of Hours with Temperature

## PSYCHROMETRIC SUMMARY

| 23175<br>STATION | TOTAL BALLON |         |     | STATION NAME | -        |         |         |                  | •  |          |         |         |           | YEARS    |        |         |                                    |         | 1      | MONTH          | 113    |
|------------------|--------------|---------|-----|--------------|----------|---------|---------|------------------|--|----------|---------|---------|-----------|----------|--------|---------|------------------------------------|---------|--------|----------------|--------|
|                  |              |         |     |              |          |         |         |                  |  |          |         |         |           |          |        |         |                                    |         | ۵      | PAGE           | ~      |
|                  |              |         |     |              |          |         |         |                  |  |          |         |         |           |          |        |         |                                    |         |        | HOURS (L.S.T.) | (L.S.T |
| Temp.            |              |         |     |              |          | WET B   | JLB TEM | ERATURE          | WET BULB TEMPERATURE DEPRESSION (F)  | SION (F) |         |         |           |          |        |         | TOTA                               | 1       |        | TOTAL          |        |
| (E)              | 0 1.2        | 3.4     | 5.6 | 7 . 8        | 9 - 10   | 11 - 12 | 13 - 14 | 15 - 16          | 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 | 19 - 20  | 21 - 22 | 23 - 24 | 1 25 - 26 | 5 27 - 2 | 8 29 . | 13      | D.B./W                             | .B. Dry | Bulb W | et Bulb        | Dew    |
| 22 / 23          |              |         |     |              |          |         |         |                  |  |          |         |         |           |          |        | _       | 5.6                                |         |        |                |        |
| L                |              |         |     |              |          |         |         |                  |  |          |         |         |           |          | -      | -       | -                                  | -       | +      |                |        |
| 16/ 19           |              |         |     |              |          |         |         |                  |  |          |         |         |           | 1        | -      | +       | +                                  | +       | +      |                |        |
|                  |              |         |     |              |          |         |         |                  |  |          |         |         |           |          |        |         |                                    |         |        |                |        |
| 11 /21           |              |         |     |              |          |         |         |                  |  |          |         |         |           |          |        |         |                                    |         |        |                |        |
|                  |              |         |     |              |          |         |         |                  |  |          |         |         |           |          |        | -       |                                    | -       |        |                |        |
|                  |              |         |     |              |          |         |         |                  |  |          |         |         |           |          | +      | -       | +                                  | +       |        |                |        |
| 1 /2             |              |         |     |              |          |         |         |                  |  |          |         |         |           |          |        |         |                                    | -       |        |                |        |
| TOTAL            | 2.2          | 5.5     |     | 8.210.1      | 11.8     | 10.     | 111.    | 11.810.411.910.1 | 0.6  | 7.1      | 4.7     | 3.9     | 3 2.5     | 9.1 9    |        | 5.      | .2                                 | 12      | 1240   |                | 1240   |
|                  |              |         |     |              |          |         |         |                  |  | -        |         |         |           |          |        |         | 1240                               | 0       |        | 1240           |        |
|                  |              |         |     |              |          |         |         |                  |  |          |         |         |           |          |        |         |                                    |         |        |                |        |
|                  |              |         |     |              |          |         |         |                  |  |          |         |         |           |          |        |         |                                    |         |        |                |        |
|                  |              |         |     |              |          |         |         |                  |  |          |         |         |           |          |        | -       | -                                  | -       |        |                |        |
| Element (X)      | 2x2          |         |     | Zx           |          | ×       | σ,      |                  | No. OF   | 38.      |         |         |           | Med      | No. o  | f Hours | Mean No. of Hours with Temperature | erature |        |                |        |
| Rel. Hum.        | 367          | 2350008 |     | 2484         |          | 1066    | 19.659  | 651              | 1540   | 0.       | ± 0 F   |         | ≤ 32 F    | 7 -      | ₹ 67 F | ≥73 F   |                                    |         | ≥ 93 F |                | Total  |
| Dry Bulb         | 401          | 1216    |     | 1673         | -        | 6119    | •       | 23               | 12   | 04       |         |         |           | 23       |        | 121     | 9 41.                              |         |        |                | 144.0  |
| Wet Bulb         | 142          | C006/62 |     | 66600        | $\vdash$ | 100     | 2666    | 26               | 12   | 1240     |         |         |           |          |        |         |                                    |         |        |                | 0.00   |
| Dew Point        | 148952       | 1260    |     | TOOL         | _        | 6.76    | 06/19   | 0                | 1  | 200      |         | 9       | 307.2     | -        |        |         |                                    |         |        |                | į      |

## PSYCHROMETRIC SUMMARY

| STATION  | No          |     |     |       |     | STATION NAM | -      |         |         | 1       | 1                                   |   |      |         | *       | YEARS    |           |           |                           | 1        | HONT               | MONTH   |
|--|-------------|-----|-----|-------|-----|-------------|--------|---------|---------|---------|-------------------------------------|---|------|---------|---------|----------|-----------|-----------|---------------------------|----------|--------------------|---------|
|  |             |     |     |       |     |             |        |         |         |         |                                     |   |      |         |         |          |           |           |                           |          | PAGE 1             | (1.S.T. |
| Temp   | 6           |     |     |       |     |             |        | WET BUI | B TEMPE | RATURE  | WET BULB TEMPERATURE DEPRESSION (F) | ION (F)   |      |         |         |          | 1         |           | TOTAL                     |          | TOTAL              |         |
| ()   |             | 0   | - 2 | 3 - 4 | 5.6 | 7 . 8       | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18                             | - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 | - 22 | 23 - 24 | 25 - 26 | 27 . 28  | 29 . 30   | ≥31 €     | D.B./W.B.                 | Dry Bulb | Wet Bulb Dew Point | Dew     |
| 196  | 99          |     |     |       |     |             |        |         |         |         |                                     |   |      |         |         |          |           | 7.0       | W P                       | 9-       |                    |         |
| 126  | 6 6 2       |     |     |       |     |             |        |         |         |         |                                     |   |      |         |         | 1.       |           |           | 17                        | 17       |                    |         |
| 106  | 89          | -   | 1   |       |     |             |        |         |         |         |                                     |   |      |         | 1       | 7.       |           | 1:1       | 47                        | 54       |                    |         |
| 88   | 61          |     |     |       |     |             |        |         |         |         |                                     |   |      |         |         |          | 1.2       |           | 34                        | 34       |                    |         |
| 198  | 69          |     | -   |       |     |             |        |         |         |         |                                     |   |      | *       |         | 7.1      |           | . 3       | 04                        | 40       |                    |         |
| 148  | 83          |     |     |       |     |             |        |         |         |         |                                     |   |      |         |         | 1.7      | *         |           | 41                        | 41       |                    |         |
| 128  | 10          |     |     |       |     |             |        |         |         |         |                                     | 2.  |      | -       | 0       | 3        | 7.        |           | 25                        | 25       |                    |         |
| 80/  | 19          |     |     |       |     |             |        |         |         |         |                                     |   |      | -       | 1.2     | 2.       |           |           | 20                        | 20       |                    |         |
| 181  | =           |     |     |       |     |             |        |         |         | •       | 1.                                  | -   |      | -       | •       | 1.       |           |           | 57                        | 51       |                    |         |
| 10/  | 67          |     |     |       |     |             |        |         |         | .2      | 5.                                  |   |      |         |         |          |           |           | 24                        | 24       |                    |         |
| 10   | 6.          |     |     |       |     |             |        |         |         | •       | 103                                 |   | 1.0  | 9.      | •       |          |           |           | 69                        | 69       |                    |         |
| 72/  | 1           |     |     |       |     |             |        |         | 7.      | 1.2     |                                     | - 1   | - 1  |         | 1.      |          |           |           | 20                        | 79       |                    | -       |
| 101  | 60          |     |     |       |     |             |        |         |         | 1.5     |                                     |   | * "  | 1.      |         |          |           |           | 0                         | 40       |                    |         |
| 190  | 2           |     |     |       | d   |             | 1.     |         |         | 1.0     |                                     | _ 1   |      |         |         |          |           |           | 00                        | 2        |                    |         |
| 0  | 60          |     |     |       | 7.  | 7.          |        |         |         | : ·     |                                     | *   |      |         |         |          |           |           | 7 0                       | 1 4      | •                  |         |
| 3  | 2           |     | -   | -     | •   |             | :      |         |         |         |                                     | - 1   |      |         |         |          |           |           | 2                         |          | -                  |         |
| 100  |             |     |     | :     |     |             |        |         |         |         |                                     |   |      |         |         |          |           |           | 0 0                       | 9 0      | 0 4                | _       |
|  |             | +   | 1   |       |     | -           |        |         |         |         | 2 0                                 |   |      |         |         |          |           | 1         | 13                        | 1        |                    |         |
|  |             |     |     | • 6   |     | 000         | 1      |         |         |         |                                     |   |      |         |         |          |           |           | 2.5                       | ::       | 16.                |         |
|  | :           | +   |     |       |     |             |        |         |         | 1       |                                     |   |      |         |         | 1        | 1         | 1         | 100                       | 2.7      |                    |         |
|  |             |     |     |       |     | -           |        |         | •       |         |                                     |   |      |         |         |          |           |           | 3.5                       | 30       | 100                |         |
| 1  |             | 1   | :   | •     |     |             | :      |         | •       |         |                                     |   |      |         | 1       |          | 1         | 1         | 3 4                       |          |                    |         |
| -  | 1.4         | •   | :   |       |     |             | •      | •       |         |         |                                     |   |      |         |         |          |           |           |                           | 10       |                    |         |
|  |             | •   | +   | •     |     |             | :      |         |         |         |                                     |   |      |         |         |          |           |           | 7.                        | -        | -                  |         |
| 100  |             | •   | :   |       |     | •           | 1.     |         |         |         |                                     |   |      |         |         |          |           |           |                           | •        | 0 .                |         |
| -  | 6.3         |     |     | -     |     |             |        |         |         |         |                                     |   |      |         |         |          |           |           | -                         | -        | *                  |         |
| 124  | 100         |     |     |       |     |             |        |         |         |         |                                     |   |      |         |         |          |           |           |                           |          | 7                  |         |
| 100  |             |     |     |       |     |             |        |         |         |         |                                     |   |      |         |         |          |           |           |                           |          |                    |         |
| 36/  | 9.0         |     |     |       |     |             |        |         |         |         |                                     |   |      |         |         |          |           |           |                           |          | • ~                | 11      |
| 341  | 33          | -   | +   | 1     | 1   |             |        |         |         |         |                                     |   |      |         |         | T        |           | 1         |                           |          |                    |         |
| 32/  | 31          |     |     |       |     |             |        |         |         |         |                                     |   |      |         |         |          |           |           |                           |          |                    |         |
| Element (X)  | (X)         | ZX. | (2  |       |     | 2×          | H      | ×       | σ×      | -       | No. Obs.                            |   |      |         |         | Mean No. | No. of He | ours with | of Hours with Temperature | ure      |                    |         |
| Rel. Hum.  | EJ.         |     |     |       |     |             |        |         |         |         |                                     |   | 40 £ | VI      | ≤ 32 F  | ≥ 67 F   | H         | ≥73 F     | ≥ 80 F                    | 2 93     |                    | Total   |
| Dry Bulb   | age<br>Page |     |     |       |     |             | -      |         |         | -       |                                     |   |      |         |         |          | _         |           |                           |          | -                  |         |
| Wet Bulb   | alo         |     |     |       |     |             | -      |         |         | -       |                                     | 1   |      | -       |         |          | -         |           |                           |          | -                  |         |
| The second secon |             |     |     |       |     |             |        |         |         |         |                                     |   |      |         |         |          |           |           |                           |          | _                  |         |

### PSYCHROMETRIC SUMMAD JAN 68

PSYCHROMETRIC SUMMARY

| STATION     | AND  | TOWNS ARIZONA |       | STATION NAME | _        |           |             | -  |          |           |          | YEARS     |          |           |                                    | -                                       | MONTH    | MONTH HOM |
|-------------|------|---------------|-------|--------------|----------|-----------|-------------|--|----------|-----------|----------|-----------|----------|-----------|------------------------------------|---|----------|-----------|
|             |      |               |       |              |          |           |             |  |          |           |          |           |          |           |                                    |   | PAGE 2   | IGE 2     |
| Temp.       |      |               |       |              | 3        | ET BULB   | TEMPERATI   | WET BULB TEMPERATURE DEPRESSION (F)  | SION (F) |           |          |           |          |           | TOTA                               | -                                       | TOTAL    |           |
| -           | 0 1. | .2 3.4        | 9 - 9 | 7 - 8        | 9 - 10 1 | 1 - 12 13 | . 14 15 .   | 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 | 19 - 20  | 21 - 22 2 | 3 - 24 2 | 5 - 26 27 | - 28 29  | . 30 ≥ 31 |                                    | D.B./W.B. Dry Bulb   Wet Bulb   Dew Poi | Wet Bulb | Dew       |
| 28/ 27      |      |               |       |              |          |           |             |  |          |           |          |           |          |           |                                    |   |          | 9         |
| L.          |      | -             |       |              |          |           |             | -  |          |           |          | -         |          |           |                                    |   |          | •         |
|             | +    | -             |       |              |          | 1         | -           |  |          | 1         |          | 1         | +        | +         | -                                  |   |          |           |
| 20/ 19      |      |               |       |              |          |           |             |  |          |           |          |           |          |           |                                    |   |          |           |
| -           |      |               |       |              |          | -         |             |  |          | 1         |          |           | -        | +         | -                                  |   |          |           |
| _           |      |               |       |              |          |           |             |  |          |           |          |           |          |           |                                    |   |          |           |
| 14/ 13      |      |               |       |              |          |           |             |  |          |           |          |           |          |           |                                    |   |          |           |
| 10/         |      |               |       |              |          |           |             |  |          |           |          |           |          | -         |                                    |   |          |           |
| 10          | -    | +             |       |              | +        | +         | +           | +  |          |           |          |           | -        | +         | +                                  | -                                       |          |           |
| POTAL       | .2   | .9 1.4        | 4.0   | 5.7          | 9.6      | 8.91      | 8.910.110.1 | 1 9.0  | 7.6      | 7.8       | 6.2      | 5.7       | 6.0      | 3.5       | 4.7                                | 1200                                    | _        | 120       |
|             |      |               |       |              |          |           |             |  |          |           |          |           |          |           |                                    |   |          |           |
|             |      |               |       |              |          |           |             |  |          |           |          |           |          |           |                                    |   |          |           |
| Element (X) | 2x   | -             |       | ZX           | -        |           | g*          | No. O  | þ.       |           |          | -         | Mean No. | of Hours  | Mean No. of Hours with Temperature | erature                                 |          |           |
| Rel. Hum.   | -    | 1903267       |       | 38583        | +        |           | 17.393      | 1200   | 00       | 40 F      | ≥ 32 F   | -         | ≥ 67 F   | =73       | - 80                               |   | -        | Total     |
| Dry Bulb    | 2    | 66969         |       | 22069        | +-       | -         | 11.288      |  | 1200     |           | -        | -         | 398.4    | 271.8     | .6 153.6                           |   | 1104     | 12        |
| Wet Bulb    | 6    | 1916626       |       | 92589        | -        | +         | 9.105       |  | 1200     |           |          |           |          |           |                                    | -                                       | -        | 120.      |
| Dew Point   | -    | 1495090       |       | 1001         | 2005     | -         | 040.5       |  | 1200     |           | 7.7      | 270.0     |          |           |                                    |   |          | 12        |

15E48 - 7905 MISH



## PSYCHROMETRIC SUMMARY

MAY

|             |                |     |                                     |     |                                |            |         |  |  |           |                         |           |         |          |         |                                    |         |            | HOURS (L.S.T.) | .S.T.)           |
|-------------|----------------|-----|-------------------------------------|-----|--------------------------------|------------|---------|--|--|-----------|-------------------------|-----------|---------|----------|---------|------------------------------------|---------|------------|----------------|------------------|
| Temp.       |                |     |                                     |     |                                | WET BUL    | B TEMPE | WET BULB TEMPERATURE DEPRESSION (F)  | EPRESSIC   | ON (F)    |                         |           |         |          |         |                                    |         |            |                |                  |
| (4)         | 0 1.2          | 3.4 | 5.6                                 | 7.8 | 11 01 - 6                      | 11 . 12 13 | 13 - 14 | - 14 15 - 16 17  | 7 - 18 19  | 9 - 20 21 | 1 - 22 23               | 3 - 24 25 | . 26 27 | - 28 29  | - 30    | 231 D.B./W.B.                      |         | Dry Bulb W | Wet Bulb       | <b>Dew Point</b> |
| 401/801     |                |     |                                     |     |                                |            |         |  |  |           |                         |           |         |          |         |                                    | 2       | 2          |                |                  |
| 100/105     |                |     |                                     |     |                                |            |         |  | 1  |           | +                       | +         | -       | -        | -       |                                    | *       | •          |                |                  |
| 104/103     |                |     |                                     |     |                                |            |         |  |  |           |                         |           |         |          | *       | 0 %                                | 5       | 25         |                |                  |
| 101/201     |                |     |                                     |     |                                |            | 1       | 1  | +  |           | +                       | +         | 1       | -        |         | 2                                  | 2       | 2          | 1              |                  |
| 1001        |                |     |                                     |     |                                |            |         |  |  |           |                         |           |         | :        | • • •   | • •                                | 0 0     | 0 0        |                |                  |
|             |                |     |                                     |     |                                |            |         | 1  | 1  |           | -                       | -         | -       | -        | -       | 21                                 |         | 26         | 1              |                  |
| 56 /96      |                |     |                                     |     |                                |            |         |  | ٠  |           |                         | 7:        |         | 7.       | V.,     |                                    | 0       | 0          |                |                  |
|             |                |     |                                     |     |                                |            |         |  |  |           |                         | . 1       | . 5     | 0.       | -       | •                                  | 5       | 45         |                |                  |
| 16 /26      |                |     |                                     |     |                                |            |         |  |  | 1.        |                         | 2.        |         | 0.       | •       |                                    | 11      | 14         |                |                  |
|             |                |     |                                     |     |                                |            |         |  |  |           | .2                      | 9.        |         |          |         |                                    |         | 23         |                |                  |
|             |                |     |                                     |     |                                |            |         |  |  |           |                         |           | 0       |          | 0.      | 7.                                 |         | 10         |                |                  |
| 86/ 85      |                |     |                                     |     |                                |            |         |  |  |           |                         | 1.        |         | •        | 2       | -1                                 |         | 51         |                |                  |
|             | -              |     |                                     |     |                                |            |         | 7.   |  |           |                         | 0         | 0       | 0.       | -       | -                                  |         | 25         |                |                  |
| 82/ 81      |                |     |                                     |     |                                |            | 7.      | .2   |  |           |                         | 1.4       |         | 2        |         | -                                  |         | 99         |                |                  |
| 1           |                |     |                                     |     |                                | 7.         | 7.      | 3.   | 1.   |           | 1                       | 5.        | 2.      | +        | +       |                                    |         | 55         |                |                  |
| 78/ 77      |                |     |                                     |     | ,                              |            |         |  | 0  |           | 6.1                     | 4         | 10      |          |         |                                    |         | 75         |                |                  |
| T           |                | -   | -                                   |     | 7.                             | 9.         | 3.      | 7.   | 3  |           | 5.1                     | -         | -       | +        | +       | 10                                 | 1       | 60         | 1              |                  |
|             |                |     |                                     |     |                                | . 2        | 6.      | 1.3  |  | 1.0       | 4.                      |           |         |          |         | -                                  |         | 69         |                |                  |
| 1           |                | -   | -                                   |     | 3.                             | 1          | 6.      | 6.3  |  |           | 9                       | +         | +       | +        | +       |                                    |         | 88         | 3              |                  |
| 10/ 69      |                |     |                                     | .2  | .2                             |            | 0       | 1.2  | 0  | .2        |                         |           |         |          |         | -                                  | 20      | 20         | •              |                  |
|             |                |     |                                     |     |                                | 1          |         | 101  | *  |           | -                       | +         | +       |          | -       |                                    |         | 72         | **             |                  |
|             |                |     | .2                                  | *   | -                              | 1.7        | 1.3     | .5   | 7  |           |                         |           |         |          |         |                                    | 9       | 99         | 1              |                  |
|             |                | -   | •                                   |     | -                              | 1          | *.      |  |  | -         | -                       | -         | -       | -        |         | -                                  | 8       | 38         | 129            | 2                |
|             |                |     | 2 .3                                |     | -                              |            |         |  | -  |           |                         |           |         |          |         | _                                  | 0       | 04         | 151            |                  |
|             |                | -   | •                                   |     | -                              |            | 20      |  |  |           |                         | -         |         |          |         | -                                  | 5       | 35         | 172            |                  |
| 58/ 57      |                |     | •                                   | .2  |                                | .2         |         |  |  |           |                         | _         |         |          |         | _                                  | 7.      | 17         | 189            |                  |
| 1           |                |     |                                     | •   |                                |            |         |  |  |           |                         |           |         |          |         |                                    | 2       | 7.7        | 148            |                  |
|             |                |     |                                     | 4.  |                                |            |         |  |  |           |                         | -         |         |          |         |                                    | ç       | •          | 1+1            |                  |
| 16 /26      |                |     |                                     | 7.  |                                |            |         |  |  |           |                         |           |         |          |         |                                    |         | *          | 83             |                  |
|             |                |     |                                     |     |                                |            |         |  |  |           |                         |           |         |          |         |                                    | _       |            | 43             | 7                |
| *           |                |     |                                     |     |                                |            |         |  |  |           |                         |           | -       |          |         |                                    |         |            | 97             | -                |
| 40/ 45      |                |     |                                     |     |                                |            |         |  |  |           |                         |           |         |          |         |                                    |         |            | 13             | 120              |
| . /         |                |     |                                     |     |                                |            |         |  |  |           |                         |           |         |          |         |                                    |         |            | M              | -                |
| 14 /24      |                |     |                                     |     |                                |            |         |  |  |           |                         |           |         |          |         |                                    | _       |            |                | -                |
| Element (X) | $\Sigma_{X^2}$ |     |                                     | Σx  |                                | ×          | O'X     |  | No. Obs.   |           |                         |           |         | Mean No. | of Hour | Mean No. of Hours with Temperature | erature |            |                |                  |
| Rel. Hum.   |                |     |                                     |     |                                |            |         |  |  |           | ≥ 0 F                   | ≥ 32      | F.      | ₹ 67 F   | £73     | F 280 F                            | 4       | ≥ 93 F     | •              | Total            |
| Dry Bulb    |                |     |                                     |     |                                |            |         |  |  |           |                         |           |         |          |         |                                    |         |            |                |                  |
| Wet Bulb    |                |     |                                     |     |                                |            |         |  |  |           |                         |           |         |          |         |                                    |         |            |                |                  |
|             |                |     | Contraction of the land of the land |     | A STATE OF THE PERSON NAMED IN |            |         | The second secon | The state of the s |           | The same of the same of | -         |         |          |         | -                                  |         | -          |                |                  |

23195

YUMA, ARIZONA

## PSYCHROMETRIC SUMMARY

5 PSYCHROMETRIC SUMMA JAN 68

| The   The | 23195<br>STATION | TOMAS ARICONA | ARIE |   | STATION NAME |   |          |           | -          | 13-11     |      |           | YEARS     |           |           |            | 1   | MAY      |           |
|---|------------------|---------------|------|---|--------------|---|----------|-----------|------------|-----------|------|-----------|-----------|-----------|-----------|------------|-----|----------|-----------|
| 13 9 1.2 3.4 3.6 7.7 9.10 11.2 13.4 13.16 17.13 19.70 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2   |                  |               |      |   |              |   |          |           |            |           |      |           |           |           |           |            | •   | AGE      | ~ -       |
| 23  | Temp.            |               |      |   |              | W | T BULB   | TEMPERATU | RE DEPRE   | SSION (F) |      |           |           |           |           | TOTAL      |     | TOTAL    |           |
| 23 24 25 25 26 27 28 28 29 29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20  | L                | -             |      |   |              |   | . 12 13  | . 14 15 . | 16 17 - 18 | 3 19 - 20 | - 22 | 3 . 24 25 | . 26 27 . | 39        | 231       | D.B./W.B.  | _   | Wet Bulb | Dew Point |
| 133 23 24 25 25 27 28 29 29 21 20 20 20 20 20 20 20 20 20 20 20 20 20   |                  |               |      |   |              |   |          |           |            |           |      |           |           |           |           |            |     |          |           |
| 129 23 24 25 25 26 27 27 28 29 29 29 29 29 29 29 29 29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20   | -                |               |      |   |              |   |          |           |            |           |      |           |           |           |           |            |     |          |           |
| 11  | -                |               |      |   |              |   |          |           |            |           |      |           |           |           |           |            |     |          |           |
| 11  | -                |               |      |   |              |   |          |           |            |           |      |           |           |           |           |            |     |          |           |
| 11  7  1240 1240 1240 1240 1240 1240 1240 124   |                  |               |      |   |              |   |          |           | _          |           |      |           |           |           |           |            |     |          |           |
| H. 1340 5.7 5.1 6.9 6.9 6.9 9.4 8.1 9.9 6.3 6.0 6.6 4.811.9 1240 1240 1240 1240 1240 1240 1240 1240   |                  |               |      |   |              |   |          |           |            |           |      |           |           |           |           |            |     |          |           |
| Ht. 1398399   |                  |               |      |   |              |   |          |           |            |           |      |           | 1         | 1         |           |            |     |          |           |
| Ex.     Ex.     X     0x     No. Ob.     No. Ob.     No. Of Hours with Temperature       L398359     37377     309.1     14.06     1240     507 F     273 F     280 F     293 F       7739085     7691     11.08     1240     50 F     273 F     280 F     282.2     104.04   |                  |               |      |   |              |   |          |           |            |           |      |           |           |           |           | 1240       |     | 1240     |           |
| 2x2 2x2 2x3   |                  |               |      |   |              |   |          |           |            |           |      |           |           |           |           |            |     |          |           |
| 2χ²         2χ         No. Obs.         Mean No. of Hours with Temperature           1398359         37377         3001         14.00         1240         sor         sor         zor         zor         zor         zor         zor         104.0           739085         70085         7601         11.00         1240         613.2         487.2         322.2         104.4   |                  | e p           |      |   |              |   |          |           |            |           |      |           |           |           |           |            |     |          |           |
| 1290337 5137 5001 14.006 1240 50F 532F 267 20F 295<br>7739085 7691 11.084 1240 613.2 487.2 322.2 104.4<br>4209410 71970 5640 5.101 1240 31.6  | Element (X)      | ,x2           |      | 1 | ×            | - |          | ά×        | Š          | bs.       |      |           | 1         | an No. of | Hours wit | h Temperat | ure |          |           |
| 4209410 71970 56.0 5.101 1240 31.8 31.8 104.4   | Rei. Hum.        | 15            | 8357 |   | 13           | - |          | 900       | -          | 240       | 20 F | ≥ 32      |           |           | ≥73 F     |            |     |          | ō         |
| 976 0070 3010 1740 3108   | Dry Bulb         |               | 2004 |   | 6999         | - |          | 980.      | -          | 0+2       |      |           | 0         |           | 7.18      |            |     |          |           |
|   | Wet Bulb         | 054           | 010  |   | 1970         |   | $\vdash$ | 0         | 7          | 042       |      |           |           | 9 . 7     |           |            |     |          | 2         |

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|   | - 6 |  |
|---|-----|--|
| N | 68  |  |

| Temp                |   |     |     |     |     |   | ×    | ET BULL | 3 TEMP  | ERATU        | WET BULB TEMPERATURE DEPRESSION (F) | ESSIO   | E Z              |         |      |       |      |         |      |          | F       | TOTAL       |          | TOTAL    |           |
|---------------------|---|-----|-----|-----|-----|---|------|---------|---------|--------------|-------------------------------------|---------|------------------|---------|------|-------|------|---------|------|----------|---------|-------------|----------|----------|-----------|
| Œ                   | 0 | .2  | 3.4 | 5.6 | 7.8 | 8 | 10 1 | . 12    | 13 - 14 | . 14 15 . 16 | 17                                  | - 18 19 | . 20             | 21 - 22 | 23 . | 24 25 | . 26 | 27 - 28 | 29 . | 30       | = 31 D. | D.B./W.B.   | Dry Bulb | Wet Bulb | Dew Point |
| £11/\$11<br>£11/811 |   |     |     |     |     |   |      |         |         |              |                                     |         |                  |         |      |       |      |         |      |          | .7      | - 80        | 40       |          |           |
| 112/111             |   |     |     |     |     |   |      |         |         |              |                                     |         |                  |         |      | -     |      |         |      | 4:04     | - 6     | 13          | 13       |          |           |
| 108/107             |   |     |     |     |     | + | +    |         |         |              | -                                   | +       |                  |         |      | +     |      |         | W.   | -        |         | 62          | 62       |          |           |
| 106/105             |   |     |     |     |     |   |      |         |         |              |                                     |         |                  |         |      |       |      |         | •    | 7        |         | 35          | 35       |          |           |
| 104/103             |   |     |     |     |     |   |      |         |         |              |                                     |         |                  |         |      |       |      | 2.      | •    | 75       | 0:      | 40          | 4        |          |           |
| 101/201             |   |     |     |     |     |   |      |         |         |              |                                     | -       |                  |         | 3    |       | :    |         |      | 9.       |         | 00          | 20       |          |           |
| 1001                |   |     |     |     |     |   |      |         |         |              |                                     |         | <del>Outer</del> |         |      |       |      |         |      | 11       |         | 0 1         | 0        |          |           |
|                     |   |     |     |     |     |   |      |         |         |              |                                     |         |                  | . 2     |      |       |      |         |      | 0        | •       | 10          | 10       |          |           |
| 56 /96              |   |     |     |     |     |   |      |         |         |              |                                     | -       | • 5              |         |      | 7     |      |         | -    | -64      |         | 19          | 19       |          |           |
|                     |   |     |     |     |     |   |      |         |         |              |                                     |         |                  | •       | •    | ~     |      | •       |      | 2        |         | 20          | 20       |          |           |
|                     |   |     |     |     |     |   |      |         |         |              |                                     |         |                  |         |      | 3     |      |         |      |          |         | 57          | 57       |          |           |
| 68 /06              |   |     |     |     |     |   |      |         |         | •            | 2                                   | m       |                  | •       | 7    | 7     |      | 1.8     | •    | •        | .2      | 00          | 80       |          |           |
|                     |   |     |     |     |     | - |      |         |         |              | 7                                   |         |                  |         |      | -     |      | -       |      |          | 7.      | 69          | 63       |          |           |
|                     |   |     |     |     |     |   | -:   | .2      |         | •            | ~                                   |         |                  | 1.2     | 2 1. | 3     | •    |         |      |          |         | 16          | 76       |          |           |
| 1                   |   |     |     |     |     | - |      | 7:      |         |              | 2                                   | -       |                  |         | -    | 7     |      | 2.      |      | -        |         | 89          | 99       |          |           |
| 82/ 81              |   |     |     |     | •   | _ | -:   | -       | -       | •            | 2                                   |         | 1.4              | -       |      | 8     | .2   |         | •    |          |         | 29          | 62       |          |           |
| 86/ 19              |   |     |     |     |     |   | . 2  |         |         |              | 1                                   | *       |                  | 1.6     | •    | *     | 7.   |         |      |          |         | 13          | 73       |          |           |
|                     |   |     |     |     |     |   | 7    |         |         |              | 7 9                                 | -       | 1.4              | •       | •    |       | 7    |         |      |          |         | 63          |          |          |           |
| 1                   |   |     |     |     |     | - | 7.   | -       |         | -            | 7 2                                 | -       | 0                |         | 2    | 7     |      |         |      |          |         | 00          |          |          |           |
|                     |   |     |     |     | •   | - | 4    |         | .2      |              | 1                                   | 9.      |                  |         | . •  |       |      |         |      |          |         | 34          |          |          |           |
| 1                   |   |     |     |     | •   |   |      | *       |         | -            | -                                   |         | -                |         |      |       |      |         |      | -        |         | 40          |          |          |           |
| 70/ 69              |   |     |     | •   | •   | - |      |         | •       |              | *                                   | 7.      |                  |         |      |       |      |         |      |          |         | 17          |          |          |           |
|                     |   |     | -   |     |     |   | 7.   |         |         |              | 7                                   |         |                  |         |      | -     |      |         |      | -        | -       | 12          |          |          |           |
|                     |   |     |     |     |     |   | ~    |         |         | •            | 2                                   |         |                  |         |      |       |      |         |      |          |         | -           |          |          |           |
|                     |   |     |     |     |     | - | 7.   | 7.      |         |              | -                                   | -       |                  | 1       |      | -     |      |         |      | -        |         | -           |          |          |           |
| 62/ 61              |   |     |     |     |     |   |      |         |         |              |                                     |         |                  |         |      |       |      |         |      |          |         |             |          | 163      |           |
| 1.                  |   |     |     |     | •   | - |      |         |         |              | -                                   |         |                  |         | _    |       |      |         |      |          |         | -           | 1        |          |           |
| 58/ 57              |   |     |     |     |     |   |      |         |         |              |                                     |         |                  |         |      |       |      |         |      |          |         |             |          | 6        |           |
| L.                  |   |     |     |     |     | - |      |         |         |              |                                     | -       |                  |         |      | -     |      |         |      |          | -       |             |          | 99       |           |
|                     |   |     |     |     |     |   |      |         |         |              |                                     |         |                  |         |      |       |      |         |      |          |         |             |          | 27       |           |
| 16 /26              |   |     |     |     |     |   |      |         |         |              |                                     |         |                  |         |      |       |      |         |      |          |         |             |          | 14       | 9 6       |
| 1                   | 1 | 2×2 |     |     | ZX  | 1 | _    |         | g,      | -            | ž                                   | g       | 1                |         | 1    | 1     | 1    | Mean    | ģ    | of Hours | ŧ       | Temperature | bre      |          |           |
| Rel. Hum.           |   |     |     |     |     |   |      |         |         |              |                                     |         |                  | 0 =     |      | ≥ 32  | _    | ₹ 67    |      | ≥73      |         | ≥ 80 F      | 2 93     |          | Total     |
| Dry Bulb            |   |     |     |     |     |   |      |         |         |              |                                     |         |                  |         |      |       |      |         |      |          |         |             |          |          |           |
| Wet Bulb            |   |     |     |     |     |   |      |         |         |              |                                     |         |                  |         |      |       |      |         |      |          |         |             |          |          |           |
| Dew Point           |   |     |     |     |     |   |      |         |         |              |                                     |         |                  |         |      |       |      |         |      |          |         |             |          |          |           |

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23195 STATION

YUMA. ARIZONA

| -        |       |         |     | -            |     |      |         |                                     |         |        |        |       |        |        | >       |         |  |         |           |    |                             | 202    | 2      |
|----------|-------|---------|-----|--------------|-----|------|---------|-------------------------------------|---------|--------|--------|-------|--------|--------|---------|---------|--|---------|-----------|----|-----------------------------|--------|--------|
| STATION  |       |         |     | STATION NAME |     |      |         |                                     |         |        |        |       |        |        |         |         |  |         |           |    | A                           | PAGE 2 |        |
| Temp     |       |         |     |              |     | *    | ET BULI | WET BULB TEMPERATURE DEPRESSION (F) | RATURE  | DEPR   | SSION  | ()    |        |        |         |         |  |         | TOTAL     | L  | ٢                           | TOTAL  |        |
| 6        | 0 1.2 | 3.4     | 5.6 | 7.8          | 0   | 101  | - 12    | 3 - 14                              | 15 . 16 | 17 . 1 | 8 19 . | 20 21 | . 22 2 | 3 - 24 | 25 - 26 | 27 . 28 | . 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 | 16 = 0  | D.B./W.B. |    | Dry Bulb Wet Bulb Dew Point | Bulb   | Dew Po |
| 19/ 43   |       |         |     |              |     |      |         |                                     |         |        |        |       |        |        |         |         |  |         |           |    |                             |        | 96     |
|          |       |         |     |              | -   |      |         |                                     |         |        | -      | -     | -      |        |         |         |  |         |           |    |                             |        | 130    |
| 14 /24   |       |         |     | 1            | +   | +    | 1       |                                     |         |        | +      | +     | +      |        |         |         |  | 1       |           | +  | +                           |        | :      |
|          |       |         |     |              |     |      |         |                                     |         |        |        |       |        |        |         |         |  |         |           |    |                             |        | 12     |
| 36/ 35   |       |         |     |              |     |      |         |                                     |         |        | _      |       |        |        |         |         |  |         |           |    |                             |        | 50     |
|          |       |         |     | 1            | +   | +    |         | T                                   |         |        | +      | -     |        |        |         |         |  |         |           | +  | +                           |        |        |
| 30/ 59   |       |         |     |              |     |      |         |                                     |         |        |        |       |        |        |         |         |  |         |           |    |                             |        | 25     |
| 26/ 25   |       |         |     |              |     |      |         |                                     |         |        |        |       |        |        |         |         |  |         |           |    |                             |        | 15     |
| 67 /62   |       |         |     |              |     | -    |         |                                     |         |        | -      | -     |        |        |         |         |  |         |           | _  |                             |        | -:     |
|          |       |         |     |              | +   | +    | T       |                                     |         | 1      | +      | +     | -      |        |         |         |  | 1       | 1         | +  | +                           |        | •      |
|          |       |         |     |              |     |      |         |                                     |         |        |        |       |        |        |         |         |  |         |           |    |                             |        | 2.1    |
| 16/ 13   |       |         |     |              |     |      |         |                                     |         |        |        |       |        |        |         |         |  |         |           |    |                             |        |        |
| 77 TAL   |       | 4       | .2  |              | -   | 0    | 2.6     | 3.9                                 | 6.2     | 8.3    | 1      | 9.1   | 8.1    | 7.9    | 6.7     | 7.0     |  | 7,329,3 |           | 12 | 1200                        |        | 1200   |
|          |       |         |     |              |     |      |         | •                                   |         |        |        |       |        |        |         | 1       | 1  |         | 1200      |    |                             | 1200   |        |
|          |       |         |     |              |     | +++  |         |                                     |         |        |        |       |        |        |         |         |  |         |           |    |                             |        |        |
|          |       |         |     |              |     |      |         |                                     |         |        |        |       |        |        |         |         |  |         |           |    |                             |        |        |
|          | , A   |         |     |              | 4   | +-1  |         |                                     |         |        | 7      | +-    | +      |        |         |         |  |         |           |    | H                           |        |        |
| Del Mar  | · ·   | 9460378 |     | 29764        | 9.0 | 24.8 |         | 0                                   | 22      |        | 1200   | -     | 40.4   | VI     | ≤ 32 F  | 792     | -  | 273 F   | 280 F     |    | 2 93 F                      |        | Total  |
| - T      | 96    | 27933   |     | 1066         | 13  | 88.8 |         | 1                                   | 90      |        | 200    | +     |        | -      |         |         | 0  | . 690   | -         | +  | 2775                        |        | 720.   |
| Wet Bulb | 84    | 4866690 |     | 76180        | 80  | 63.5 |         | 3.046                               | 0       | -      | 1200   | +     |        | +      |         | 199.8   | 9.   | 23.62   |           | -  |                             |        | 120.0  |
|          |       |         |     | -            |     |      |         |                                     |         |        |        |       |        |        |         |         |  |         |           |    |                             |        | 1      |

PSYCHROMETRIC SUMMARY

5 PSYCHROMETRIC SUMMA JAN 68

| WET BULB TEAMPERATURE DEPRESSION (7)  1. 2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 2  1. 1 1 1 13.14 15.16 17.18 19.20 21.22 2  1. 2 1.4 1.3 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 | WET BULB TEMPERATURE DEPRESSION (f)  0 11.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 2  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | WET BULB TEMPERATURE DEPRESSION (f)  0 11.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.30 21.22 2  1 2 2 1.2 1.4 1.5 16 17.18 19.30 21.22 2  1 3 1.2 1.4 1.5 16 17.18 19.30 21.22 2  2 2 2 3 3 4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.30 21.22 2  2 3 3 4 5.6 7.8 9.10 11.12 13.14 15.16 1.2 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 | WET BULD TEMPERATURE DEPRESSION (F)  0 11.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 2  1 2 1.2 1.3 1.6 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 | WET BULD TEMPERATURE DEPRESSION (F)  0 11.2 3.4 5.6 7.8 9.10 11.12   3.14   15.16   17.18   19.20   21.22    1 1 2 1.1   1.2   1.1   1.2   1.1   1.3   1.5   1.5   1.5    1 2 1.1   1.2   1.1   1.2   1.2   1.3   1.5    1 2 1.2   1.3   1.5   1.3   1.5    1 3 1.2   1.3   1.5    1 4 1.3   1.5   1.5   1.5    1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | WET BULD TEMPERATURE DEPRESSION (f)  0 1.2 3.4 5.6 7.8 9.10 11.12   3.14   5.16   17.18   19.20   21.22    1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | WET BULD TEMPERATURE DEPRESSION (7)  0 1-2 3-4 5-6 7-8 9-10 11-12   3-14   5-16   17-18   19-20   21-22   22-22   23-4 | WET BULD TEMPERATURE DEPRESSION (7)  0 1-2 3-4 5-6 7-8 9-10 11-12   3-14   5-16   17-18   19-20   21-22   22-22   23-4 | 87470H  | 2  | AND THE PRICOR |    | STATION NAME |      |         |          | 1              | 1          |         |     |    | YEARS | YEARS        | TARS                 | YEARS                          |   | PAGE 1                             |
|---|--|--|---|---|--|--|--|---------|----|----------------|----|--------------|------|---------|----------|----------------|------------|---------|-----|----|-------|--------------|----------------------|--------------------------------|---|------------------------------------|
| 0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 2  1   | 0 1.2 3.4 5.6 7.8 9.10 11.13 13.14 15.16 17.18 19.20 23.24 2  1.2 3.4 5.6 7.8 9.10 11.13 13.14 15.16 17.18 19.20 23.24 2  1.2 3.4 5.6 7.8 9.10 11.13 13.14 15.14 1 | 0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 2  1.   | 0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 2  1   | 0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 2  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | 0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 2  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | 0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 2  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | 0 1.2 3.4 5.6 7.8 9.10 11.2 13.14 15.16 17.18 19.20 21.22 23.24 2  1 1 2 1 2 1 3 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | Temp.   |    |                |    |              | 3    | ET BULB | TEMPERAT | URE DEPR       | ESSION (F) |         |     |    |       |              |                      | TOTAL                          | TOTAL                                   | TOTAL TOTAL                        |
| 1.  |  | 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.  | 1   | 1   | 2x   | 2  |  |         | 1. | 3.             | 5. |              | - 10 |         | 15       | 16 17 .        | . 20       | 21 - 22 |     | 26 | 27.   | 27 . 28 29 . | 27 . 28 29 . 30 = 31 | 27 . 28 29 . 30 = 31 D.B./W.B. | 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb | 27 - 28 29 - 30 = 31 D.B./W.B. Dry |
| 1   | 1.   |  | 1   | 2xx   | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2  | 2x x x x x x x x x x x x x x x x x x x   | 2  | 2/1113  |    |                |    |              |      |         |          |                |            |         |     |    |       |              | 5.                   |                                | 22                                      | 22                                 |
| 1.  | 1.   |  | 1.  | 2   | 2x   | 2x x x x x x x x x x x x x x x x x x x   | 2xx xx x x x x x x x x x x x x x x x x   | 108/109 |    |                |    |              |      |         |          |                |            |         |     |    |       |              | 0                    | . •                            | 9.                                      | 6 1.9 31                           |
| 99<br>99<br>99<br>99<br>90<br>90<br>90<br>90<br>90<br>90  | 99 99 99 99 99 99 99 99 99 99 99 99 99   | 25   | 99 99 99 99 99 99 99 99 99 99 99 99 99  | 99 99 99 99 99 99 99 99 99 99 99 99 99  | 99 99 99 99 99 99 99 99 99 99 99 99 99   | 99 99 99 99 99 99 99 99 99 99 99 99 99   | 99 99 99 99 99 99 99 99 99 99 99 99 99   | 106/109 |    |                |    |              |      |         |          |                |            |         | -   | *  | -     | 2.1.4        |                      | 1.4 2.5                        | 1.4 2.5 69                              | 1.4 2.5 69                         |
| 83<br>83<br>84<br>85<br>87<br>87<br>88<br>89<br>80<br>80<br>80<br>80<br>80<br>80<br>80<br>80<br>80<br>80  | 83<br>87<br>87<br>887<br>897<br>897<br>898<br>898<br>899<br>899  | 99 99 99 99 99 99 99 99 99 99 99 99 99   | 99<br>91<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>97<br>98<br>97<br>97<br>97<br>97<br>97<br>97<br>97<br>97<br>97<br>97                                  | 99<br>91<br>91<br>92<br>93<br>94<br>95<br>95<br>95<br>95<br>95<br>95<br>95<br>95<br>95<br>95  | 99 99 99 99 99 99 99 99 99 99 99 99 99   | 99 99 91 91 91 91 91 92 93 94 95 95 96 97 97 98 98 98 98 98 98 98 98 98 98 98 98 98  | 95 97 98 87 88 87 88 89 89 89 89 89 89 89 89 89 89 89 89   | 101/201 |    |                |    |              |      |         |          | •              |            |         | 5.7 | -  |       |              |                      | 1.0                            | 1.9 1.4 86                              | 1.9 1.4 86                         |
| 83<br>84<br>87<br>87<br>87<br>87<br>87<br>87<br>87<br>87<br>87<br>87  | 91<br>92<br>93<br>94<br>95<br>96<br>96<br>96<br>96<br>96<br>96<br>96<br>96<br>96<br>96   | 23   | 23  | 91<br>92<br>93<br>94<br>95<br>96<br>97<br>97<br>98<br>98<br>99<br>99<br>99<br>99<br>99<br>99<br>99<br>99  | 91<br>92<br>93<br>94<br>95<br>95<br>96<br>97<br>98<br>98<br>99<br>90<br>90<br>90<br>90<br>90<br>90<br>90<br>90<br>90                           | 91<br>92<br>93<br>94<br>95<br>95<br>96<br>97<br>97<br>97<br>97<br>97<br>97<br>97<br>97<br>97<br>97   | 91<br>82<br>83<br>83<br>84<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85   | 00      |    |                |    |              |      |         |          | •              |            | 3.      | 3 m | -  | D 0   |              | 00                   | 0.0                            | 0.00                                    | 0.00                               |
| 83<br>83<br>83<br>84<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85  | 83<br>87<br>87<br>83<br>84<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85   | 20   | 83<br>87<br>87<br>87<br>87<br>87<br>87<br>87<br>87<br>87<br>87  | 2   | 2  | 2  | 2 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.   | 1       | -  | -              |    |              |      | +-      |          | Trocal Control | 1          | 5:5     | -   | •  | 7     |              | . 2                  | 2. 2.                          | 2 .2 73                                 | 2 .2 73                            |
| 73  | 73   |  | 83<br>83<br>84<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85<br>85  | 2 . 2   | 2 1 2 1 1 1 0 1 1 3 1 0 6 0 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2  |  |  | -       |    | -              |    |              |      | 1       |          |                |            |         | 0 4 |    | n -   |              | 1                    |                                | 108                                     | 108                                |
| 73 73 74 75 75 75 75 75 75 75 75 75 75 75 75 75   | 73 74 75 75 75 75 75 75 75 75 75 75 75 75 75   | 73 74 75 75 75 75 75 75 75 75 75 75 75 75 75   |   |   |  | $\sum_{X^2} x^2$   | Σχ <sup>2</sup> Σχ <sup>3</sup> Σχ   |         |    |                |    | -            | N    |         |          | 1              |            |         | N-  |    | . 7   | -            | 7.                   |                                | 121                                     | 121                                |
| 73  | 73   | 73<br>74<br>75<br>75<br>76<br>76<br>76<br>76<br>76<br>76<br>76<br>76<br>76<br>76<br>76<br>76<br>76   |   |   | 2x <sup>2</sup> 2x <sup>3</sup> x x x x x x x x x x x x x x x x x x x  | 2x <sup>2</sup> 2x <sup>3</sup> 2x x x x x x x x x x x x x x x x x x x   | $\Sigma_{X^2}$ $\Sigma_{X^3}$ $\Sigma_{X^3}$ $\Sigma_{X^3}$ $\Sigma_{X^3}$ $\Sigma_{X^3}$ $\Sigma_{X^3}$ $\Sigma_{X^4}$ $\Sigma_{X^5}$   |         |    |                |    | •            | 3 1  |         |          | -              |            |         | . ~ |    | +     |              | +                    | 02                             |   | 2                                  |
| 2. 2. 2. 1. 1. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.  |  |  |   |   | Σχ <sup>2</sup> Σχ   | Σχ <sup>2</sup> Σχ <sup>3</sup> Σχ   | 2x3 2x   |         |    |                | •  | l.           |      | 4       |          |                | •          | .2      | 2   |    | -     |              |                      | 30                             |   |                                    |
| . 1   |  |  |   | Σχ <sup>2</sup> Σχ  | Σχ <sup>2</sup> Σχ   | Σχ <sup>2</sup> Σχ   | Σχ <sup>2</sup> Σχ   |         |    | •              | 2  |              |      | 7.7     | :        | 20             | •          |         |     |    | -     |              |                      | 0,4                            | 61 57                                   | 54                                 |
| 6000  | 200000000000000000000000000000000000000  |  | ***********   | $\Sigma_{X^2}$ $\Sigma_{X}$ No. Obs.  | Σχ <sup>2</sup> Σχ η νο, Obs.  | Σχ <sup>2</sup> Σχ   | Σχ <sup>2</sup> Σχ   |         |    | -              |    |              |      | 7.      |          | •              | •          |         |     |    | -     |              |                      | n -                            |   | 0 -                                |
| -1-1-   | -1-1-1-  | _ 1 _ 1 _ 1 _ 1 _  | -1-1-1-1-1-   | $\Sigma_{X^2}$ $\Sigma_{X}$ $X$ $X$ No. Obs.  | $\Sigma_{X^2}$ $\Sigma_{X}$ $X$ $X$ No. Obs.   | Σχ <sup>2</sup>  | Σχ <sup>2</sup> Σχ η σ <sub>χ</sub> Νο, Obs.   | Г       | -  | +              |    |              | +    | -       | +        | +              | 1          | +       | +   | +  | +     |              | +                    | -                              |   | -                                  |
|   | 1 - 1 - 1 -  | 1 - 1 - 1 - 1 -  | 1 - 1 - 1 - 1 - 1 -   | $\Sigma_{X^2}$ $\Sigma_{X}$ No. Obs.  | Σχ <sup>2</sup> Σχ η νο, Obs.  | Σχ <sup>2</sup> Σχ   | $\Sigma_{X^2}$ $\Sigma_{X}$ $X$  |         |    |                |    |              |      |         |          |                |            |         |     |    |       |              |                      |                                |   |                                    |
| 1   | 1 - 1 -  | 1 - 1 - 1 -  | 1-1-1-1-  | $\Sigma_{X^2}$ $\Sigma_{X}$ $X$ $X$ No. Obs.  | $\Sigma_{X^2}$ $\Sigma_{X}$ $X$ $X$ $X$ No. Obs.   | $\Sigma_{X^2}$ $\Sigma_{X}$ $X$ $X$ $X$ No. Obs.   | Σχ <sup>2</sup> Σχ η σ <sub>χ</sub> No. Obs. ε0 F ε32 F  | -       |    |                |    |              |      |         |          |                |            |         |     |    |       |              |                      |                                |   | 10 4                               |
|   | - 1 -  | -1-1-  | -1-1-1-   | $\Sigma X^2$ $\Sigma X$ $X N_0$   | $\Sigma_{X^2}$ $\Sigma_{X}$ $X$ $X$ No. Obs.   | $\Sigma_{X^2}$ $\Sigma_X$ $X$ $X$ $X$ $X$ $X$ $X$ $X$ $X$ $X$  | $\Sigma_{X^2}$ $\Sigma_X$ $X$ $G_X$ No. Obs.   | 1       | +  | +              | 1  |              | +    | +       | +        | +              |            | +       | +   | +  | +     |              | 1                    | +                              |   | 3                                  |
|   |  |  |   | $\Sigma_{X^2}$ $\Sigma_{X}$ $X$ No. Obs.  | Σχ <sup>2</sup> Σχ η νο. Obs.  | $\Sigma_{X^2}$ $\Sigma_{X}$ $X$ $\sigma_{X}$ No. Obs.  | Σχ <sup>2</sup> Σχ   | _       |    |                |    |              |      |         |          |                |            |         |     |    |       |              |                      |                                |   | - A                                |

D D

JUN HOW

73-77

YUMAS ARIZONA

23195 STATION

15642-7605 HSH

| 3.6 7.8 9.10 11.12 13.14 15.16 17.18 1  3.0 3.1 6.1 6.2 6.9 8.610.2  3.0 3.1 6.1 6.1 6.9 8.610.2  3.0 3.1 6.1 6.1 6.9 8.610.2  3.0 3.1 6.1 6.1 6.9 8.610.2 | (1)               | 20 21 - 22 23 -    |  |  |   |  |  |          | ±0.F |       |         |
|--|-------------------|--------------------|--|--|---|--|--|----------|------|-------|---------|
| 01 - 6   8 - 7   8 - 1   9 - 6   1   1   6   1   1   1   1   1   1   | KE DEFRESSION (F) | 16 17 - 18 19 - 20 |  |  |   |  |  | No. Obs. | 15.0 | 1240  | 1240    |
| 01.9 8.7 5.8 9.10 5.4 5.6 5.4 5.6 5.4 5.6 5.4 5.6 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4 5.4  | DOLD IEMPERALU    | 13 . 14 15 .       |  |  | • |  |  |          |      |       |         |
|  | 1                 | 2                  |  |  | 2 |  |  |          |      |       | 201/    |
|  | -                 | 9.                 |  |  |   |  |  | 2×       | 2166 | 11400 | 4200    |
|  | 1                 | •                  |  |  |   |  |  |          | 1360 | 1521  | 41/4060 |
| 10087251   | -                 | -                  |  |  |   |  |  | Σx²      | 241  | 1008  | 000     |

| STATION   | 1 |     |     |     | STATION NAM | AME    |         |         | 1                                   |          |          |  |  | YEARS           |  |        | -        |                  | -        | -                 | MONTH         |
|---|---|-----|-----|-----|-------------|--------|---------|---------|-------------------------------------|----------|----------|--|--|-----------------|--|--------|----------|------------------|----------|-------------------|---------------|
|   |   |     |     |     |             |        |         |         |                                     |          |          |  |  |                 |  |        |          |                  |          | PAGE 1            | -             |
|   |   |     |     |     |             |        |         |         |                                     |          |          |  |  |                 |  |        |          |                  |          | HOUR              | HOURS (L.S.T. |
| Temp.   |   |     |     |     |             |        | WET BUL | B TEMPE | WET BULB TEMPERATURE DEPRESSION (F) | EPRESSIC | (E) NO   |  |  |                 |  |        |          | TOTAL            |          | TOTAL             | 1             |
| (F)   | 0 | 1.2 | 3.4 | 9.6 | 7 . 8       | 9 - 10 | 11 - 12 | 13 . 14 | 15 - 16 1                           | 7 . 18 1 | 9 - 20 2 | 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23   | 3 - 24 2   | . 24 25 . 26 27 | . 28 29  | 8      | 231 D    |                  | Dry Bulb | Wet Bulb Dew Poin | ٥             |
| 114/119   |   |     |     |     |             |        |         |         |                                     |          |          |  |  |                 |  |        | • 10     |                  | ~*       |                   |               |
| 110/109   |   | I   |     |     |             |        |         | 1       | +                                   | +        | -        | +  | +  | +               | +  |        | 5.       | 13               | 13       |                   | +             |
| 108/107   |   |     |     |     |             |        |         |         |                                     |          |          |  |  | -:              |  | · Ne   | 5.2      | *                | 3        |                   |               |
| 106/105   |   |     |     |     |             |        |         |         |                                     |          |          |  |  | 7.              |  |        | 0        | 20               | 50       |                   | -             |
| 104/103   | _ |     |     |     |             |        |         |         |                                     |          |          |  |  | 0.              | -  |        | 9.0      | 67               | 67       |                   |               |
| 101/201   |   |     |     |     |             |        |         |         |                                     |          |          |  | _  | 0.1             | L  |        | . 2      | 1                | 7        |                   | -             |
| 100/ 99   | - |     |     |     |             |        |         |         |                                     |          | .2       |  | 1.3  | 1.1             |  |        | * . 1    | 70               | 20       |                   |               |
| L   |   |     |     |     |             |        |         |         |                                     | 1        |          | 1  |  | 1.              | _  |        |          | 50               | 65       |                   | -             |
|   |   |     |     |     |             |        |         |         |                                     |          |          |  | 1.0  |                 |  |        | 0.1      | 8                | 85       |                   |               |
| 66 /96  |   |     |     |     |             |        |         |         | 1                                   | 1        |          | 1  | 9.   | *               | _  |        | 0.       | 73               | 13       |                   | -             |
| _   |   |     |     |     |             |        | 7:      | .2      |                                     | 1.5      | 8        |  |  | .2              |  |        | ~        | 65               | 65       |                   |               |
| 68 /06  |   |     |     |     |             | 1      | 5.      | 1.      | 1                                   | 1        |          | *  | 1  | .5              | 1  |        | 7.       | 93               | 86       |                   | -             |
| _   | _ |     |     |     |             |        | 1.3     | 1.1     |                                     |          | 1.0      | .7   | -  |                 |  |        |          | 6.               | 97       |                   |               |
| 86/ 89  |   |     |     | 2.  | •           | -      | 1:3     | 1:      | 4                                   | 1        | 0.       |  | -  | 6.              | 1_   | +      | +        | 121              | 121      |                   | +             |
| 84/83   | _ |     |     | 3.  | -           | -      | 0.      |         |                                     |          | 1.0      | 9.   |  | .2              | .2   |        |          | 92               | 92       |                   |               |
| 18 /28  |   |     | 7.  |     | •           |        | *       | 6.      | 1                                   | 1        | 1.3      |  | 1  | 7.              | -  | -      | -        | 10               | 20       |                   | -             |
| 80/ 79  | _ |     | *   | . 2 | •           |        |         | 4       |                                     |          | 9.       | .2   |  |                 |  |        |          | 40               | 40       | 31                | _             |
| 1   |   | 4.  |     |     |             | -      | 7.      | *       |                                     | 1        | 3.       | 2.   | :  |                 | -  |        | -        | 43               | 4.5      | 12                | -             |
|   | • | .2  |     |     |             | .2     | .2      |         | •                                   | 4        |          |  |  |                 |  |        |          | 53               | 23       |                   | _             |
|   |   |     |     |     |             | -:     | 2.      | 7.      | :                                   | .2       | 2.       |  | -  |                 | -  |        |          | 13               | 13       |                   |               |
|   |   |     |     |     |             |        | .2      | .2      |                                     |          |          |  |  |                 |  |        |          | 2                | 2        |                   |               |
|   |   |     |     |     |             |        | -:      |         |                                     |          |          |  |  |                 |  |        | -        | 4                | -        |                   |               |
|   |   |     |     |     |             |        |         |         |                                     |          |          |  |  |                 |  | -      |          |                  |          | 118               | ~             |
| 50 /00  | - |     |     |     |             |        |         |         |                                     |          |          |  |  |                 |  |        |          |                  |          |                   |               |
|   |   |     |     |     |             |        |         |         |                                     |          |          |  |  |                 |  |        |          |                  |          | 10                |               |
| 19 /29  |   |     |     |     |             |        |         |         |                                     |          |          |  |  |                 |  |        |          |                  |          | -                 |               |
|   |   |     |     |     |             |        |         |         | 1                                   | 1        |          | -  | 1  | 1               | +  | 1      |          | 1                |          | •                 | -             |
| 36/ 59  |   |     |     |     |             |        |         |         |                                     |          |          |  |  |                 |  |        |          |                  |          | 2 2               | . =           |
| 1   | 1 |     |     |     |             |        |         | 1       | +                                   | 1        | 1        | +  | +  | +               | +  | +      | 1        |                  |          | •                 | +             |
|   | _ |     |     |     |             |        |         |         |                                     |          |          |  |  |                 |  |        |          |                  |          |                   |               |
| 50/ 49  |   |     |     |     |             |        |         |         |                                     |          |          |  |  |                 |  |        |          |                  |          |                   | -             |
| Element (X)   |   | 2x2 |     |     | Σ×          | -      | ×       | σ×      | -                                   | No. Obs. |          |  |  |                 | Mean No. of Hours  | of Hou | urs with | with Temperature | ure      |                   | 1             |
| Rel. Hum.   |   |     |     |     |             | -      |         |         | -                                   |          |          | 10 E   | ≥ 32   | 2 F             | ≥ 67 F   | =73    | 3 F      | 2 80 F           | ≥ 93 F   | -                 | Total         |
| Dry Bulb  |   |     |     |     |             |        |         |         |                                     |          |          |  |  |                 |  |        |          |                  |          | -                 |               |
| Wet Bulb  |   |     |     |     |             | -      |         |         | -                                   |          | -        |  |  | -               |  | -      | -        |                  |          | -                 |               |
| Company of the second |   |     |     |     |             |        |         |         |                                     |          |          | STREET, STREET | The state of the s |                 | Chicago and Control of the Control o |        |          |                  |          |                   |               |



| wer aug Taura Taura Autor Derression (f)  o 12 34 5.0 78 6.011-12 1314 1516 1718 1920 1212   | 23195<br>STATION | YUMAS ARIZONA | ARI   | ZONA | STATION NAME | N.       |       |         |         | 13        | 73-77   |         |         |         | YEARS   |        |           |             |       | AUG      | NONTH |
|---|------------------|---------------|-------|------|--------------|----------|-------|---------|---------|-----------|---------|---------|---------|---------|---------|--------|-----------|-------------|-------|----------|-------|
| The control of the co  |                  |               |       |      |              |          |       |         |         |           |         |         |         |         |         |        |           |             |       | PAGE 2   |       |
| ### 1079   0   1.2   3.4  | Temp.            |               |       |      |              |          | WET B | JLB TEM | PERATUR | E DEPRESS | ION (F) |         |         |         |         | 1 1    | 1 1       | TOTAL       |       |          |       |
| 10.7 13<br>10.7 13<br>10.  | (6)              | -             | 1     | 3    | 7 . 8        | -        | 1-1   | 13 . 1  | 15 - 16 | 817 - 18  | 19 . 20 | 21 . 22 | 23 - 24 | 25 . 26 | 27 . 28 |        |           | D.B. / W.B. | -     | Wet Bulb |       |
| 1967 39 3967 3  |                  |               |       |      |              |          |       |         |         |           |         |         |         |         |         |        |           |             |       |          |       |
| 347 33 347 33 347 33 347 33 347 33 347 33 347 33 347 33 347 33 347 34 347 34 347 35 347 37 37 37 37 37 37 37 37 37 37 37   | 1 -              |               |       |      |              |          |       |         |         |           |         |         |         |         |         |        |           |             |       |          |       |
| 347 33<br>307 31<br>307 21<br>267 23<br>267 23<br>267 23<br>27 27 4.8 5.3 5.9 7.4 9.610.6 6.9 7.4 6.2 5.2 6.917.9 1<br>27 27 27 1<br>27 27 28 1<br>28 27 27 1<br>28 27 28 27 28 1<br>28 27 28 28 28 28 28 28 28 28 28 28 28 28 28   | _                |               | -     |      |              |          |       | _       |         |           |         |         |         |         |         |        |           |             |       |          |       |
| 28/ 27 24/ 23 24/ 24/ 23 24/  | -                |               |       |      |              |          |       |         |         |           |         |         |         |         |         |        |           |             |       |          |       |
| 26/ 23 24/ 23 24/ 23 25/ 23 26/ 23 26/ 23 27/ 23 27/ 23 27/ 24/ 8 5.3 5.9 7.4 9.0\10.0 6.9 7.4 6.2 5.2 6.9\7.9 27/ 27/ 27/ 27/ 27/ 27/ 27/ 27/ 27/ 27/  |                  |               |       |      |              |          |       | _       |         |           |         |         |         |         |         |        |           |             |       |          |       |
| ### ##################################  |                  |               |       |      |              |          |       |         |         |           |         |         |         |         |         |        |           |             |       |          |       |
| (X) $\frac{2\chi^2}{2}$ $\frac{2\chi}{2}$ $\frac{\chi}{2}$ |                  |               | 110   |      |              |          |       |         | 1       | 1         | 10.6    |         | 1       |         |         |        | 17.9      |             |       |          |       |
| Σχ <sup>2</sup> Σχ  |                  |               |       |      |              |          |       |         |         |           |         |         |         |         |         |        |           |             |       |          |       |
| Element (X)   |                  |               |       |      |              |          |       |         |         |           |         |         |         |         |         |        |           |             |       |          |       |
| Rel. Hum. 1997135 44511 35.9 17.953 1240 20F 237F 273F 280F Dry Bulb 10535845 113747 91.7 9.058 1240 20F 20F 257E 275F 280F Dry Bulb 0141879 86969 70.1 5.635 1240 20F 251.0 7.8  | 1                | Σx            |       | 4    | ZX.          | 上        | ×     | 1       | ×       | No. Ob    |         |         |         |         | Mean    | No. of | Hours wil | h Temper    | ature |          |       |
| Dry Bulb 10735845 113747 91.7 9.058 1240 744.0 744.0 744.0 748.0 7.8 Wer Bulb 6141879 355.4 321.0 7.8   | _                | -             |       |      | 5            | -        | 33.9  | -       | 623     | 12        | 0       | 102     |         | ≤ 32 F  | 267     |        | ≥73 F     | ≥ 80 ₽      |       | F .      |       |
| Wes Bulb   5141879 65969   70:1 5:035 1240  | L                | 10            | 33584 | 0    | -            |          | 1.016 |         | 850     | 12        | 0       |         |         |         |         | 0      | 0         | 985         |       | 7.6      |       |
|   | Ш                | 0             | 18191 |      | 600          | $\vdash$ | 1 60  |         | 032     | 71        | 0       |         | 1       | 1       | - 1     | 3      | 21.0      |             | 0     | +        |       |

| WET BULB TEAMERATURE DEPRESSION (f)  WET BULB TEAMERATURE DEPRESSION (f)  WET BULB TEAMERATURE DEPRESSION (f)  1   | 56162       | TOWAS ARIZONA | 71 44 | - 1 |           |     |         |         | 1         | -        | -         | -    | -    | -     | -  | -          | -           |       |       | -        |
|--|-------------|---------------|-------|-----|-----------|-----|---------|---------|-----------|----------|-----------|------|------|-------|----|------------|-------------|-------|-------|----------|
| 100   1.2   3.4   5.6   7.8   9.10   11.2   13.16   7.18   19.20   21.2   23.24   23.25   23.15   23 | STATION     |               |       |     | STATION N | AME |         |         |           |          |           |      |      | YEARS |    |            |             |       | DAGE  | -        |
| 103   101  |             |               |       |     |           |     |         |         |           |          |           |      |      |       |    |            |             |       | HOURS | (L.S.T.) |
| 107  | Temp.       |               |       |     |           |     | WET BU  | B TEMPE | TATURE C  | EPRESSIC | ON (F)    |      |      |       |    |            | TOTAL       |       | TOTAL |          |
| 107 108 109 109 109 109 109 109 109 109 109 109  | (F)         | 1.            | 3.4   |     |           | 6   | 11 - 12 | 13 . 14 | 15 - 16 1 | 7 - 18 1 | 9 - 20 21 | - 22 | . 24 | 26 27 | 28 | Al         | D.B./W.B    | -     |       |          |
| 103 103 104 105 105 106 107 107 108 108 108 108 108 108 108 108 108 108  | 108/109     |               |       |     |           |     |         |         |           |          |           |      |      |       |    |            |             |       |       |          |
| 103 103 104 105 107 108 108 109 109 109 109 109 109 109 109 109 109  | 106/105     |               |       |     |           |     |         |         | 1         | +        | +         | +    | +    | +     | 7  |            |             | -     |       |          |
| 101  | 104/103     |               |       |     |           |     |         |         |           |          |           |      |      |       | 2  |            |             |       |       |          |
| 99 99 99 99 99 99 99 99 99 99 99 99 99   | 101/201     |               |       |     |           |     |         |         |           |          |           |      |      |       | -  | -          |             |       |       |          |
| 95 95 95 95 95 95 95 95 95 95 95 95 95 9   | 100/ 99     |               |       |     |           |     |         |         |           |          |           |      |      |       | 9  | 2          |             |       | _     |          |
| 95 95 97 97 97 97 97 97 97 97 97 97 97 97 97   |             |               |       |     |           |     |         |         |           |          |           |      |      |       | 10 | -          |             |       |       |          |
| 93   |             |               |       |     |           |     |         |         |           |          |           | 6.   |      |       | 9  |            |             |       |       |          |
| 91   |             |               |       |     |           |     |         |         |           |          |           |      |      |       | 2  |            |             |       |       |          |
| 83   |             |               |       |     |           |     |         |         | *         |          | •         | 1.1  |      |       | 3  |            |             |       |       |          |
| 83   |             |               |       |     |           |     | •       |         |           | 101      | 9.        | •    |      |       | 9  |            |             |       |       |          |
| 83   |             |               |       |     |           | •   | •       |         |           | 6.       | 80        | •    |      |       | 2  |            | 60          |       |       |          |
| 93   |             |               |       |     | •         |     | -       | -       | 1.2       |          |           |      |      |       | -  | -          | 10          |       | -     |          |
| 1  |             |               |       |     | •         |     | ~       | -       |           |          |           | 4.   |      |       |    |            | 7           |       |       |          |
| 79 5.2 7 9 1.0 0 7 0 0 5 5 5 0 1 7 7 7 7 8 3 8 3 8 3 8 3 8 3 8 3 8 3 8 3   |             |               | 2.    | •   | •         |     |         | -       |           | *        |           | 3.   |      |       |    |            | 6           |       |       |          |
| 75   | 100         |               |       | •   | •         |     |         |         | • 5       | • •      |           | . 5  | *    |       |    |            | 7.          |       | 2     |          |
| 75   |             |               | 7.    | •   | •         |     |         |         | 1.        |          |           | 7.   |      |       |    |            | 20 1        |       | 2     |          |
| 13   |             |               |       |     | -         |     |         |         | • •       | *        |           | • 2  |      |       |    |            | 72          |       |       |          |
| 71   |             |               | •     | -   | •         |     |         |         |           | 9.       |           | -    |      |       |    |            | 7.2         |       |       |          |
| 99 16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |             |               | •     |     | •         |     |         |         | .7        | . 1      |           |      |      |       |    |            | 45          |       |       |          |
| 97 1.1 1.1 1.1 1.1 1.1 1.47 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.   |             |               | •     | -   | •         |     |         |         | • 5       |          |           |      |      |       |    |            | 51          |       |       |          |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |             |               |       |     | •         |     |         |         | .2        |          |           | 1    | 1    | -     |    |            | 3           |       |       |          |
| 93 1 108 1   |             |               |       |     | •         | _   | :       |         |           |          |           |      |      |       |    |            |             |       |       |          |
| 99 99 99 99 99 99 99 99 99 99 99 99 99   |             |               |       |     |           |     |         |         |           |          |           | -    |      |       |    |            |             |       |       |          |
| 25 55 51 51 51 64 64 64 65 65 65 65 65 65 65 65 65 65 65 65 65   |             |               |       |     |           |     |         |         |           |          |           |      |      |       |    |            |             |       | 00    |          |
| 35 31 31 31 31 31 31 31 31 31 31 31 31 31  |             |               |       |     |           |     |         |         |           |          |           |      |      |       |    |            |             |       | 2     | -        |
| Σχ <sup>2</sup> Σχ   |             |               |       |     |           |     |         |         |           |          |           |      |      |       |    |            |             |       | 3     |          |
| Σχ² Σχ   |             | -             |       |     |           | 1   |         |         | 1         | +        | +         | +    | +    | +     | +  | +          | 1           |       | -     |          |
| Σχ² Σχ   | _           |               |       |     |           |     |         |         |           |          |           |      |      |       |    |            |             |       | -     |          |
| Σχ <sup>2</sup> Σχ   | 1           |               |       |     |           |     |         |         |           |          |           |      |      | -     |    |            |             |       |       | *        |
| Σχ <sup>2</sup> Σχ   |             | +             |       |     |           |     |         |         | 1         | +        | +         | +    | +    | +     | +  | +          | 1           | 1     |       |          |
| Σχ <sup>2</sup> Σχ   | *           |               |       |     |           |     |         |         |           |          |           |      |      |       |    |            |             |       |       | • •      |
| \$0F \$32F \$67F \$73F \$80F \$93F   | Element (X) | Σx²           |       |     | Σx        |     | ×       | σ×      |           | No. Obs. |           |      |      | ¥     |    | of Hours v | rith Temper | ature |       |          |
| Dry Bulb Wet Bulb  | Rel. Hum.   |               |       |     |           |     |         |         |           |          |           | 0    | ≥ 32 |       |    |            | ≥ 80 F      |       |       | Total    |
| Wet Bulb   | Dry Bulb    |               |       |     |           |     |         |         |           |          |           |      |      |       |    |            |             |       |       |          |
|  | Wet Bulb    |               |       |     |           |     |         |         |           |          |           |      |      |       |    |            |             |       |       |          |

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|-------------|---------------|--------|-------------|-----------|-----------|------------|---|-----------|-----------|-----------------|--------------|----------|------------------------------------|--------------------|--------------------|----------|
| STATION     |               |        | STATION NAM |           |           |            |   |           |           | ¥               | YEARS        |          |                                    |                    | PAGE 2             |          |
|             |               |        |             |           |           |            |   |           |           |                 |              |          |                                    |                    | HOURS (L.S.T.)     | (L.S.T.) |
| Temp.       |               |        |             | WE        | T BULB TE | MPERATURE  | WET BULB TEMPERATURE DEPRESSION (F)                       | (F)       |           |                 |              |          | TOTAL                              |                    | TOTAL              |          |
| •           | 0 1.2 3.      | 4 5.6  | 7.8         | 11 01 - 6 | . 12 13 . | 14 15 - 16 | 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 | - 20 21 - | 22 23 - 2 | . 24 25 . 26 27 | 27 - 28 29 - | . 30 231 | D.B./W.B.                          | D.B./W.B. Dry Bulb | Wet Bulb Dew Point | Dew Po   |
| 16 /24      |               |        |             |           |           |            |   |           |           |                 |              |          |                                    |                    |                    | 30       |
| 36/ 35      |               |        |             |           |           |            |   |           |           |                 |              |          |                                    |                    |                    | 17       |
| 34/ 33      |               | -      |             |           | -         |            |   | -         |           |                 |              |          |                                    |                    |                    | ==       |
|             |               |        |             | +         | +         | -          |   | +         | +         |                 | +            | +        |                                    |                    |                    |          |
|             |               |        |             |           |           |            |   |           |           |                 |              |          |                                    |                    |                    |          |
| 57 /97      |               |        |             |           |           |            |   |           |           |                 |              |          |                                    |                    |                    |          |
|             |               |        |             |           |           |            |   |           |           |                 |              |          | 1500                               |                    | 1500               |          |
|             |               |        |             |           |           |            |   |           |           |                 |              |          |                                    |                    |                    |          |
| Element (X) | 2x2           | -      | Σx          | -         | 1         | σ×         | No. Obs.  |           |           |                 | Mean No      | of Hours | Mean No. of Hours with Temperature | ature              |                    |          |
| Ref. Hum.   | 518662        |        | 2071        | -         |           | 19.470     | 1200  |           | 20 F      | ≤ 32 F          | ≥ 67 F       | ≥73 F    | ≥ 80 F                             |                    |                    | Total    |
| Dry Bulb    | 8969720       |        | 103148      | -         |           | 687        | 1200  | 0         |           |                 | 118.2        |          | 0 519                              | 0 194.4            |                    | 720.0    |
| Wet Bulb    | 29666         |        | 9100        |           | -         | 190.6      | 1200  | 0         |           |                 |              |          |                                    | 2                  |                    | 120      |
| Dew Point   | 2698909       |        | 98589       | 1         | 7 7       | 11.127     | 1200  | 6         |           | ***             | 157.62       | 0.65     | 7.1                                | 7                  |                    | 720.0    |

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| 100   1   2   3   4   4   5   6   7   8   1   1   1   2   2   2   2   2   2   2  | WIT NUM TRANSMONT OF THE STATE | STATION     |     |    |    | STATION NAME | HVHE |   |         |        |         |         |      |      |     | YEARS |          |         |             | •        | PAGE 1   |          |
|--|---|-------------|-----|----|----|--------------|------|---|---------|--------|---------|---------|------|------|-----|-------|----------|---------|-------------|----------|----------|----------|
| 1.2   3.4   5.6   7.8   9.10   11   12   13   14   15   16   17   18   18   18   18   18   18   18   | 1.2   3.4   5.4   7.8   9.10   11.2   3.4   15.10   7.2   23.2   |             |     |    |    |              |      |   |         |        |         |         |      |      |     |       |          |         |             |          | HOURS    | (1.5.7.) |
| 1  | 1   | Temp.       |     |    |    | 1            | 1    | - | BULB TE | MPERAT | URE DEP | RESSION | 1    |      | 1   | 1     | 1        |         | TOTAL       | -        | TOTAL    | -        |
| 1  | 1   | (4)         |     |    |    | -            | ۵    | = |         | 14 15  | 16 17.  | 18 19   | 2    | 23   | 25  | 27    | 29 .     | 131     |             | Dry Bulb | Wet Bulb | Dew Poir |
| 99 99 99 99 99 99 99 99 99 99 99 99 99   | 99 99 99 99 99 99 99 99 99 99 99 99 99  | 66 /00      |     |    |    |              |      |   |         |        |         |         |      |      |     |       |          | • •     |             |          |          |          |
| 93 94 95 95 96 97 97 98 98 98 98 98 98 98 98 98 98 98 98 98  | 93 94 95 95 96 97 97 97 98 98 98 98 98 98 98 98 98 98 98 98 98  | 00          |     |    |    | _            |      |   |         |        |         |         |      | -    | 1   |       | •        | •       |             |          |          |          |
| 93 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9   | 93 94 94 94 94 94 94 94 94 94 94 94 94 94   |             |     |    |    |              |      |   |         |        |         |         | -    |      | •   |       | •        | -       | 1           |          |          |          |
| 93 94 95 96 95 96 95 96 95 96 96 96 96 96 96 96 96 96 96 96 96 96  | 83  |             |     |    |    |              |      |   |         |        |         |         |      |      |     |       | 2 2      | -       |             |          |          |          |
| 1  | 63 63 64 65 65 65 65 65 65 65 65 65 65 65 65 65   |             |     |    |    | 1            | +    | + | +       |        | 1       |         | ) 11 |      | • 4 |       |          | id.     |             | 1        |          |          |
| 93   | 93  |             |     |    |    |              |      |   |         | -1     |         |         | 3 19 | 10   | • • |       |          | • 14    |             |          |          |          |
| 8 3 4 6 6 6 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6  | 1   | L           |     |    |    | 1            | -    | + | +       | . 3    |         |         |      | 1 00 | . 0 |       |          |         |             |          |          |          |
| 75   | 75  | -           |     |    |    |              | _    | 7 | 4       |        | . ~     |         | -    | *    | 0   |       | •        | 14      | 72          |          |          |          |
| 79   | 79  | L           |     |    |    | -            | -    |   | 2       | 2      | 2       | 3       |      |      | 80  |       | -        | -       | 57          |          |          |          |
| 75 -11 -2 -2 -3 -4 -5 1-0 -6 -6 -5 -2 -1 -7 -4 -5 1-0 -6 -6 -6 -1 -7 -4 -5 1-0 -6 -6 -6 -1 -7 -4 -7 -1 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7  | 75 .1 .2 .2 .3 .4 .5 1.0 .8 .9 .5 .2 .1 .7 .4 .7 .7 .7 .1 .3 .5 .1 .5 .2 .2 .2 .2 .2 .2 .2 .2 .3 .2 .2 .3 .2 .2 .3 .2 .2 .3 .2 .2 .3 .2 .3 .2 .3 .2 .3 .2 .3 .2 .3 .2 .3 .2 .3 .2 .3 .2 .3 .2 .3 .2 .3 .2 .3 .2 .3 .2 .3 .2 .3 .2 .3 .2 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3  | _           |     |    |    |              | -    |   | ~       |        | ~       | 7       |      |      | -   |       |          |         | 69          |          |          |          |
| 75 •1, •4 •6 •3 •3 •4 •5 10 •8 •9 •5 •2 74 74 34  71 •2 •2 •2 •2 •3 •4 •5 10 •6 •8 •9 •5 •2 75  71 •2 •2 •2 •3 •2 •3 •4 •5 10 0 •6 •3 •2 75  72 •2 •2 •2 •3 •4 •5 10 0 •6 •3 •4 •5 10 0 •6 •3 •4 •5 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 75  | 1           |     |    | •  |              | 2    |   | 3       | 0      | -       | 7       | 1    |      | *   | -     |          |         | 99          |          | 1        |          |
| 71 2 3 6 5 7 1. 3 1. 5 1. 3 . 5 1  | 71 2 2 2 3 6 2 7 10 3 10 0 6 0 1  |             |     | •  | •  |              |      |   | 4       | n      |         | 20      | 0    | 9    |     |       |          |         | 74          |          | m        |          |
| 71   | 11  | ]           |     | •  | •, |              | 7    |   | _       | 1      |         | 9       | 8    | 3    | 2   | -     |          | -       | 80          |          | 1.1      |          |
| 94 94 94 94 95 95 92 92 94 94 95 95 95 95 95 95 95 95 95 95 95 95 95   | 07  |             | .2  | •  | •  |              | 5    |   |         |        | -       | 2       | n    | -    |     | _     |          |         | 80          |          | 04       |          |
| 94 94 51 95 92 92 92 93 94 95 95 95 95 95 95 95 95 95 95 95 95 95  | 94 94 51  95 -2 -2 -6 -6 1-2 1-3 1-0 -4 -4 -2  96 -1 -2 -2 -6 -1 -1  97 77 71  98 -2 -2 -6 -6 1-2 1-3 1-0 -4 -4 -2  99 -2 -2 -2 -1  99 -2 -2 -2 -2 -1  99 -2 -2 -2 -1  99 -2 -2 -2 -2 -1  99 -2 -2 -2 -2 -1  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2 -2  99 -2 -2 -2 -2  99 -2 -2 -2 -2  99 -2 -2 -2 -2  99 -2 -2 -2 -2  99 -2 -2 -2  99 -2 -2 -2  99 -2 -2 -2  99 -2 -2 -2  90 -2 -2 -2  90 -2 -2 -2  90 -2 -2  90 -2 -2  90 -2 -2  90 -2 -2  90 -2 -2  90 -2 -2  90 -2 -2  90 -2 -2  90 -2 -2  90 -2 -2  90 -2 -2  90 -2 -2  90 -2 -2  90 -2 -2  90 -2 -2  90 -2 -2  90 -2 -2  90 -2 -2  90 |             |     |    | •  |              | 7    | - |         |        |         | 0       | 2    |      |     |       |          |         | 82          |          | **       |          |
| 93   | 93  | _           | -   |    | -  |              | ~    | - |         |        |         | 7       |      |      |     |       |          |         | 30          |          | 21       |          |
| 93   | 93  |             |     |    | •  |              | 0    | - |         |        |         | 3       |      |      |     |       |          | -       | -           | -        | 1        |          |
| 99 99 99 99 99 99 99 99 99 99 99 99 99   | 99 99 99 92 92 15 91 91 91 91 91 91 91 91 91 91 91 91 91  |             | • 5 | •  | •  |              | 4    | - |         |        |         |         |      |      |     |       |          |         | 28          | •        | 148      |          |
| 13   | 130   |             | •   |    | •  |              | 0    |   | 0       | 0 :    |         |         |      |      |     |       |          |         | 42          |          | 156      |          |
| 2  | 13  |             |     |    | •  |              | *    |   | 0       | •      | 7.      |         |      |      |     |       |          |         | 31          |          | 130      |          |
| 130 11   | 130   | -           |     |    | •  |              | 0    |   | 2       |        | 7.      |         |      |      |     |       |          |         | 28          |          | 138      |          |
| 23   | 111   |             | 7.  |    |    | •            |      |   | _       |        | 7.      |         |      |      |     |       |          |         | 12          |          | 136      |          |
| 1  | 1   |             | :   | 7. | •  |              |      | 7 |         | 7.     |         |         |      |      |     |       |          |         | 13          | 13       | =        |          |
| 1  | 1 1 1 4,6  1 2 4,6  1 3 4,6  1 3 5,6  1 3 6,6  1 3 6,6  1 3 6,6  1 3 6,6  1 3 6,6  1 3 6,6  1 3 7 6,7  1 1 1 4,6  1 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7   | ^           |     | 7. | •  |              |      | - |         |        |         |         |      |      |     |       |          |         | •           | ~        | 90       |          |
| 43 43 43 44 45 46 47 48 49 49 40 40 40 40 40 40 40 40 40 40 40 40 40   | 43 43 43 44 45 46 47 48 49 49 40 40 40 40 40 40 40 40 40 40 40 40 40  | -           |     |    |    | -            |      | - | -       | -      | -       | -       | -    |      |     | 1     | -        | -       |             |          | 45       |          |
| 10   | 10  |             |     |    |    |              |      |   |         |        |         |         |      |      |     |       |          |         | -           |          | 4        |          |
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| 39 37 38 39 30 31 31 32 32 32 32 32 32 32 32 32 32 32 32 32  | 39 37 38 39 30 31 32 32 34 35 35 35 36 37 37 38 38 38 38 38 38 38 38 38 38 38 38 38   | •           |     |    |    |              |      |   |         |        |         |         |      |      |     |       |          |         |             |          | •        | 10       |
| 25   | 25  | •           |     |    |    |              |      |   |         |        |         |         |      |      |     |       |          |         |             |          | * *      | 01       |
| Σχ <sup>2</sup> Σχ   | Σχ <sup>2</sup> Σχ  | 1           |     |    |    | -            | 1    | + | +       | -      | +       | +       | +    | +    | +   | +     | +        | +       |             |          | 1        | -        |
| Σχ <sup>2</sup> Σχ   | Σχ <sup>2</sup> Σχ  | 10          |     |    |    |              |      |   |         |        |         |         |      |      |     |       |          |         |             |          | •        | •        |
| 50F ±32F ±67F ±73F ±80F ±93F   | 50F 532F 2-73F 2-80F 2-93F  | Element (X) | ZX2 |    |    | 2×           |      | × |         | ď,     | ž       | obs.    | -    |      |     | Me    | o No. of | Hours w | ith Tempera | afture   |          |          |
| Dry Bulb Wer Bulb  | Dry Bulb Wet Bulb Dew Peint   | Rel. Hum.   |     |    |    |              |      |   |         |        |         |         | VI   |      | 32  | AI    |          | ≥73 F   | ≥ 80 F      | × 93     |          | Total    |
| Wet Bulb   | Wet Bulb Dew Point  | Dry Bulb    |     |    |    |              |      |   |         |        |         |         |      |      |     |       |          |         |             |          |          |          |
|  | Dew Point   | Wet Bulb    |     |    |    |              |      |   |         |        |         |         |      |      |     |       |          |         |             |          |          |          |

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| STATION     |              |         |       | STATION NAME |     |      |         |         |         |   |         |       |        | <b>F</b> | YEARS   |         |        |                                    |              | 4      | PAGE 2   | 2         |
| Temp.       |              |         |       |              |     | WET  | SULB TE | MPERATL | RE DEPR | WET BULB TEMPERATURE DEPRESSION (F)   | (F)     |       |        |          |         |         |        | TOTA                               |              |        |          |           |
| -           | 0 1.2        | 3.4     | 5 . 6 | 7 . 8        | -   | .11. | 12 13 . | 14 15 - | 16 17 - | 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - | 20 21 - | 22 23 | - 24 2 | 5 - 26   | 27 - 28 | 29 - 30 | 0 ≥ 31 | D.B./W.B.                          | .B. Dry Bulb |        | Wet Bulb | Dew Point |
| 34/ 33      |              |         |       |              |     |      |         |         |         |   |         |       |        |          |         |         |        |                                    |              |        |          | m m       |
|             |              |         |       |              |     |      | -       | -       | -       | -   | -       |       |        |          |         |         |        |                                    |              |        |          | ~ ~       |
| 52 /92      |              |         |       |              |     |      | -       | -       |         | +   | -       |       | +      |          |         |         |        |                                    | -            | -      |          | 0 8       |
|             |              |         |       |              |     |      | -       | -       |         | +   | +       |       | +      |          |         |         |        |                                    |              | +      |          | •         |
| 47 /07      |              | 1       |       |              | 1   | 1    | +       | +       | +       |   | +       | +     | 1      |          |         |         | 1      |                                    | 1            | +      |          | 3 4       |
| 16/ 15      |              |         |       |              |     |      |         |         |         |   |         |       |        |          |         |         |        |                                    |              |        |          | 1 4       |
| TOTAL 13    | 2.0          | 0 2.5   | 5.8   | *            | 6.8 |      | 9.911.8 |         | 8.9 7.  | 7.3 9.0   |         | 6.1 5 | 5.5    | 5.5      | 3.5     | 3.5     | 5 5.5  | 2                                  | 1240         | 0,     |          | 1240      |
|             |              |         |       |              |     |      |         |         |         |   |         |       |        |          |         |         |        |                                    |              |        |          |           |
|             |              |         |       |              |     |      |         |         |         |   |         |       |        |          |         |         |        |                                    |              |        |          |           |
| Element (X) | 2x2          | 1       |       | Z×           | -   | ×    |         | g,      | 1       | Obs.  | -       | -     | 1      |          | Mean    | No. of  | Hours  | Mean No. of Hours with Temperature | erature      | -      |          |           |
| Ref. Hum.   | 62           | 7885    | 72    | 480          | -   | 39.2 |         | \$16.   |         | 1240  | -       | 4 0 E | ≥ 32   | 2 F      | 2.67    |         | ≥73 F  |                                    |              | ≥ 93 F |          | Total     |
| Dry Bulb    | 72           | 7220988 |       | 93664        | -   | 75.5 |         | 10.056  |         | 1240  |         |       |        |          | 385.6   | 1 1     | 70626  | 2 262.8                            |              | 21.6   |          | 144.0     |
| Wet Bulb    | -            | 1456    | ,     | 132          | -   | 29.0 |         | 976.9   |         | 047   |         |       |        |          |         | 93.0    | 16.0   | 0                                  |              |        |          |           |
| Dew Point   | , ,          | 2,22690 | •     | 204          |     | 6969 |         | 11.153  |         | 1240  |         |       | 0      | 87.0     |         | 22.0    | 9      | 9                                  |              |        |          | 0.44      |

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| Wer study Theoreticals (1)    1  | STATION     |   |     |    |     |     |      |         |         |         |          |          |     |     |         |         |      |          |           |        |              |          |
|--|-------------|---|-----|----|-----|-----|------|---------|---------|---------|----------|----------|-----|-----|---------|---------|------|----------|-----------|--------|--------------|----------|
| No.    |             |   |     |    |     |     |      |         |         |         |          |          |     |     |         |         |      |          |           |        |              |          |
| 1  |             |   |     |    |     |     |      |         |         |         |          |          |     |     |         |         |      |          |           | - 1    | ACE<br>HOURS | LS.T.)   |
| 1  | Tomo        |   |     |    |     |     |      | WET BUL | B TEMPE | ATURE C | EPRESSIC | (F) NO   |     |     |         |         |      | -        | OTAL      |        | TOTAL        |          |
| 1  | -           |   | -2  |    | 1 . |     | 01 - | 11 - 12 | 13 - 14 | 19. 16  | 7 . 18 1 | 9 . 20 2 | 22  | 77  | 97      | . 28    | . 30 |          | -         | a Bell | Wet Bulb     | Dew Poir |
| 173 174 175 175 176 177 177 178 179 179 179 179 179 179 179 179 179 179  |             |   |     |    |     |     |      |         |         |         |          |          |     | .:  | 7.      |         |      |          | 00        | co     |              |          |
| 11   | 0 0         |   |     |    |     |     |      |         |         |         |          |          |     | -:- | :       | 7.4     |      |          | - "       | - 6    |              |          |
| 17. 1  | - 1         |   | 1   | 1  | 1   | 1   | 1    | 1       | 1       | 1       | 1        |          |     | •   | •       | 2       |      | +        | 25        | 24     |              |          |
| 7.7  7.3  7.4  7.5  7.5  7.5  7.5  7.5  7.5  7.5   |             |   |     |    |     |     |      |         |         |         | 1:       |          |     | 71  | 10      | 200     |      |          | 200       | 200    |              |          |
| 13   | 1           |   | +   | 1  | 1   | 1   |      |         |         | 1       |          |          |     |     | 10      |         | +    | +        | 29        | 20     |              |          |
| 1  |             | _ |     |    |     |     |      |         |         |         |          | . 10     | •   |     |         |         |      |          | 53        | 35     |              |          |
| 10   | 1           |   | +   | 1  | T   |     |      |         | 7.      |         |          |          | 9.1 | 1.2 | -       | +       | +    | +        | 53        | 53     |              |          |
| 99   |             |   |     |    |     |     |      |         | -       |         |          | 1.5      | . 7 |     | le<br>L |         |      |          | 20        | 20     |              |          |
| 99   | 1           |   | 1   |    | T   | 7.  |      | 7.      | . 3     | 9.      | 1.2      | 6.       | *   | 7.  | -       |         | -    | -        | 18        | 13     |              |          |
| 1  |             |   |     |    |     |     | .2   |         |         | 1.2     | 1.0      |          |     |     |         |         |      |          | 09        | 9      |              |          |
| 93 .2 .9 .2 .9 1.0 2.1 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2  |             |   |     | -  |     | :   |      |         |         | 1.1     | 1.0      |          |     | :   |         |         |      | -        | 90        | 9      | 7            |          |
| 93   |             |   |     | 7. |     |     | 7.   |         | •       | 1.7     | 1.0      |          |     |     |         |         |      |          | 10        | 0      | *            |          |
| 29 1 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2   | 1           |   |     |    |     |     | 1.1  | -       | 7.7     | 4.7     | 1.       | 2.       |     |     |         |         |      |          | 6.0       | 88     | 0            |          |
| 57   |             |   |     | 7  |     |     |      |         | 1.3     | •       |          |          |     |     |         |         |      |          | *         | *      | 25           | -        |
| 93 - 2 - 9 - 9 - 1 - 0 - 2 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2   |             | • | 7.  |    |     | 0   |      |         |         | 101     | 7.       |          |     |     |         |         |      | -        | 100       | 100    | 25           |          |
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| 49   |             | • | 0 % | 76 |     | 1.9 |      |         |         | 2.7     |          |          |     |     |         |         |      |          | 83        | 28     | 112          | ~~       |
| 45   |             |   |     | 0  |     | 6.  |      | -       | 2.      |         |          | 1        | +   | +   | +       | +       | +    | +        | 00        | 09     | 118          | 51       |
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| 1 1 28 3 5 64 3 7 1 1 1 28 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8   | 1           |   |     | 7. |     |     |      | 7.      |         |         |          |          |     |     |         |         | -    | -        | 2         | 18     | 83           | 2        |
| 27 2.1 1 1 2.8 29 29 2.2 2.2 2.2 X   |             |   |     |    |     |     |      | .2      |         |         |          |          |     |     |         |         |      |          | •         | S.     | 40           | •        |
| 37 1 1 1 28 39 39 29 29 27 29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20   |             |   |     | 7. |     |     |      |         |         |         | -        |          |     |     |         | -       | -    | -        | 3         | *      | 43           | •        |
| 139 29 29 29 29 29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20  |             |   |     |    |     |     |      |         |         |         |          |          |     |     |         |         |      |          | -         | -      | 28           | 11       |
| 29 29 29 29 29 29 20 25 25 25 25 25 26 20  |             |   |     |    |     |     |      |         |         |         |          |          |     |     |         |         |      |          |           |        | 13           | 6        |
| 1. 25  | 1 -         |   |     |    |     |     |      |         |         |         |          |          |     |     |         |         |      |          |           |        | 9 0          | 0.0      |
| nrt (X)         Σχ²         Σχ         σx         No. Obs.         Amean No. of Hours with Temperature           Hum.         ≤ 0 F         ≤ 32 F         ≥ 67 F         ≥ 73 F         ≥ 93 F           Bulb         Bulb         Point         Point         Point         Point  | 1 -         |   |     |    |     |     |      |         |         |         |          |          |     |     |         |         |      |          |           |        |              | **       |
| \$0F \$32F \$67F \$73F \$80F \$93F   | Element (X) |   | Zx2 |    |     | Σ×  | 1    | ×       | d'x     | -       | No. Obs. | -        |     |     |         | Mean No | 70   | s with 1 | Temperatu | ire    |              |          |
| Dry Bulb Wet Bulb Dew Point  | Rel. Hum.   |   |     |    |     |     | H    |         |         |         |          |          | 0   | 13  |         | ₹ 67 F  |      |          | ≥80 F     | ≥93 F  |              | Total    |
| Wet Bulb Dew Point   | Dry Bulb    |   |     |    |     |     |      |         |         |         |          |          |     |     |         |         |      |          |           |        |              |          |
| Dew Point  | Wet Bulb    |   |     |    |     |     | -    |         |         | -       |          |          |     | -   |         |         |      | -        |           |        | 2            |          |
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| STATION      | 1 |                |         |       | STATION NAME | HAME |                  |         |        |         |      |                                     |       |       |         |  | YEARS |        |        |          |                                    |          |        | MONTH                    | MONTH |
|--------------|---|----------------|---------|-------|--------------|------|------------------|---------|--------|---------|------|-------------------------------------|-------|-------|---------|--|-------|--------|--------|----------|------------------------------------|----------|--------|--------------------------|-------|
|              |   |                |         |       |              |      |                  |         |        |         |      |                                     |       |       |         |  |       |        |        |          |                                    |          | 4      | PAGE 2<br>HOURS (L.S.T.) | 2     |
| Temp.        |   |                |         |       |              |      | WE               | T BULB  | TEMPE  | RATUR   | DEPR | WET BULB TEMPERATURE DEPRESSION (F) | (F)   |       |         |  |       |        |        |          | TOTAL                              |          |        | TOTAL                    |       |
| (F)          | 0 | 1.2            | 3 - 4   | 9 - 9 | 7 . 8        |      | 10               | . 12 1; | 1. 14  | 15 . 16 | 17.1 | 8 19 .                              | 20 21 | - 22  | 23 - 24 | 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 | 6 27  | 28 2   | 2 . 30 | = 31     | D.B./W.B.                          | B. Dry B | ulb W  | et Bulb                  | å     |
| 25/ 23       |   |                |         |       |              |      |                  |         |        |         |      |                                     |       |       |         |  |       |        |        |          |                                    |          |        |                          |       |
| 20/ 19       |   |                |         |       |              | _    |                  |         |        |         |      |                                     | -     |       |         |  |       |        |        |          |                                    |          |        |                          |       |
|              |   |                |         |       |              |      | -                |         |        |         |      |                                     | -     |       |         |  | -     |        |        |          |                                    | 12       |        |                          |       |
| 12/ 11 10/ 9 |   |                |         |       |              |      |                  |         |        |         |      |                                     | -     |       |         |  |       |        |        |          |                                    |          |        |                          |       |
| 200          |   |                |         |       |              |      | -                |         |        |         |      |                                     |       |       |         |  | -     |        |        |          |                                    |          |        |                          |       |
| 2/ 3         |   |                |         |       |              |      |                  |         |        |         |      | -                                   |       |       |         |  |       |        |        |          |                                    |          |        |                          |       |
| - 2/- 3      |   |                |         |       |              |      |                  |         |        |         |      |                                     |       |       |         |  | -     | -      |        |          |                                    |          |        |                          |       |
| - 6/- 7      |   |                |         |       |              | -    | -                |         |        |         |      | -                                   |       |       |         |  | -     | -      |        |          |                                    |          | -      |                          | 10    |
| -12/-13      |   |                |         |       |              |      |                  |         |        |         |      | -                                   |       |       |         |  | -     |        |        |          |                                    |          |        |                          |       |
|              | • | 0.2            | 3.3     |       |              |      | 12-113-410-710-0 |         | 3      | 0       |      |                                     |       | 6     | 2.0     |  |       |        | •      | 2.       | 1200                               | 1200     |        | 1200                     |       |
|              |   |                |         |       |              |      |                  |         |        |         |      |                                     |       |       |         |  |       |        |        |          |                                    |          |        |                          |       |
| Element (X)  |   | $\Sigma_{X^2}$ |         |       | 2 x          |      | ×                |         | O.     | -       | Š    | Sp.                                 | +     |       |         |  | Ž     | N up   | of H   | iurs wil | Mean No. of Hours with Temperature | rotore   | 1      |                          |       |
| Rel. Hum.    |   | 02             | 307     |       | 443          |      | 3/6              | 1       | 0      | 80      | -    | 200                                 | H     | ≥ 0 F | H       | ≤ 32 F   | A1    | ≥ 67 F | AI     | ≥73 F    | ≥ 80 F                             |          | ≥ 93 F |                          | Total |
| Dry Bulb     |   | 2              | 4898106 |       | 10553        | -    | 6308             | 1       | 10.013 | 2       | -    | 1200                                |       |       | -       | -  |       | 71.8   |        | 8.0      |                                    | 0        |        |                          | 720.0 |
| Wet Bulb     |   | 1              | 150800  |       |              | -    |                  | - 1     | 100    | •       | •    | 200                                 |       | -     | -       |  |       | •      |        |          |                                    | -        |        |                          | -     |

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| Temp.      |     |      | STATE OF THE PARTY |      |       |       |        | WEI DI  | ILB IEM | PEKAID      | WEI BULB IEMPERATURE DEPRESSION (F) | SSION   | (F)     |         |         |         |          |          | 101       | _           |        | TOTAL    |           |
|------------|-----|------|--|------|-------|-------|--------|---------|---------|-------------|-------------------------------------|---------|---------|---------|---------|---------|----------|----------|-----------|-------------|--------|----------|-----------|
| _          |     | 0 1. | 2 3.   | 4 5. | . 6 7 | 8 - 2 | 9 - 10 | 11 - 12 | 13      | . 14 15 . 1 | . 16 17 . 1                         | 18 19 - | 20 21 - | 22 23 - | 24 25 . | 26 27 . | 28 29 .  | 30 ≥31   | D.B./W.B. | Dry         | Bulb   | Wet Bulb | Dew Point |
| 186/       | 77  |      |  |      |       |       |        |         |         |             | •                                   | 2       | 2       | 9       | 2.6     |         |          |          | _         | 15          | 15     |          |           |
|            | 25  |      |  | -    | -     |       |        |         |         |             | * '                                 |         | 00      | -4      | 20 0    | 7.      | -        | -        |           |             | 20     |          |           |
| -          | 2   | +    | +  | +    | +     | 1     |        |         | 1       | 7           |                                     | 3       | 2 6     |         |         | +       | +        | +        | -         | 200         | 2 0    | 1        |           |
|            | 60  |      |  |      |       |       |        | -:      | •       | •           |                                     | 7       | • ~     | . 0     |         |         |          | _        |           | 36          | 36     |          |           |
|            | 24  |      | •  |      | -:    | -     | •      | •       | •       |             |                                     |         | ~       | * 1     | 0       |         |          |          |           | 61          | 19     |          |           |
|            | 2.5 | +    |  | •    |       | -     |        |         | - [     |             | -                                   | •       | > 4     |         | +       | +       | +        | +        |           | 2 14        | 2 4 5  |          |           |
|            | 219 |      | 7  | 17   | 110   | 1     | 110    | 1:1     |         | -           | 1                                   | 1 00    |         |         |         |         | _        |          | _         | 67          | 62     | •        |           |
|            | 66  |      |  | 7    |       | 4.    | 0.1    | •       | 7       |             |                                     | 9       | +       | -       | +       | +       | +        | +        | -         | 65          | 89     | 80       |           |
|            | 57  |      |  | 10   | ~     | 10    | 1.3    |         | =       | -           | *                                   | ~       |         |         |         |         |          |          | _         | 88          | 88     | 25       | 10        |
| 1          | 33  |      |  | 0    | -     |       | 0.     |         | -       | •           |                                     |         | -       |         | -       | -       | -        | -        | F         |             | 70     | 9        | 7         |
|            | 53  |      |  | *    |       | 1:1   | 1:1    | 1.2     | ~       | •           | 3                                   |         |         |         |         |         |          |          | _         |             | 8      | 19       | 35        |
|            | -   |      |  | -    | 0     |       |        |         | -       | •           | -                                   | -       | -       | -       | -       |         | -        | -        |           |             | 66     | 66       | 2         |
|            | 64  | . 2  | *  | ~    | -     | 5.0   | 1.9    | -       |         | 9           |                                     |         |         |         |         |         |          |          | <u> </u>  |             | 10     | 121      | 20        |
|            | 1   |      |  | 0    | 0     |       | 1.5    | •       | •       | -           | -                                   | -       |         |         |         | -       | -        | -        |           | 23          | 83     | 138      | 23        |
|            | 4.5 |      | 7  | 0    |       | 1.3   | 1.5    |         |         |             |                                     |         |         |         |         |         |          |          | _         | 75          | 73     | 126      | 20        |
| TO         | 63  | •    |  |      | -     | 5:    |        | .2      |         |             |                                     | -       |         |         | -       |         |          | -        |           | 5           | 4.5    | 120      | 28        |
|            | 14  |      |  | 9    | •     |       |        |         |         |             |                                     |         |         |         |         |         |          |          |           | 4           | 34     | 144      | 7         |
|            | 66  | :    | •.   | 7    | 9     |       | -      |         |         |             |                                     |         |         |         |         |         |          |          |           |             | -      | 120      | *         |
| 7          | 27  |      | •  | •    |       |       |        |         |         |             |                                     |         |         |         |         |         |          |          |           | 0           | 0      | 16       | 7         |
|            | 22  | . 7. | •  |      |       | 7.    |        |         |         |             |                                     |         |         |         |         | -       | _        |          | _         | 8           | 0      | 29       | 8 5       |
|            | 53  | -    | 1  |      |       |       |        |         |         |             |                                     |         |         |         |         |         |          |          | _         | m           | •      | 37       | 85        |
|            | 10  |      |  |      |       |       |        |         |         |             |                                     |         |         |         |         |         |          |          |           | -           |        | 14       | 9         |
| 100        | 67  |      |  |      |       |       |        |         |         |             |                                     |         |         |         |         |         |          | _        |           |             |        |          | 3         |
|            |     |      |  |      |       |       |        |         |         |             |                                     |         |         | -       | -       | -       | -        |          | _         | -           |        | •        | 82        |
|            | 5   |      |  |      |       |       |        |         |         |             |                                     |         |         |         |         |         |          |          |           | -           |        |          | 8         |
|            |     |      |  |      |       |       |        |         |         |             |                                     |         |         |         |         |         |          |          |           |             |        |          | 6         |
| - 1        | -   |      | -  | -    | -     |       |        |         |         |             | -                                   |         |         |         | -       |         |          |          |           | -           |        |          | 0         |
|            | 11  |      |  |      |       |       |        |         |         |             |                                     |         |         |         |         |         |          |          |           |             |        |          | 9 0       |
|            | 2   | +    | -  | +    | +     | 1     |        |         |         | 1           | -                                   | -       | -       | +       | +       | +       | +        | +        | +         | +           | t      | T        | 3         |
|            | 13  |      |  |      |       |       |        |         |         |             |                                     |         |         |         |         |         |          |          |           |             |        |          | 36        |
| Element () | (x) | 2x2  |  |      | Σ,    | ×     |        | ×       | O'X     |             | No.                                 | Obs.    |         |         |         | W       | Mean No. | of Hours | with Temp | Temperature |        |          |           |
| Rei. Hum.  |     |      |  |      |       |       |        |         |         |             |                                     |         | ) =     | 90      | ≤ 32 F  | _       | ₹ 67 F   | ≥73 F    | ≥80       | 10          | ≥ 93 F | 1        | Total     |
| Dry Bulb   | _   |      |  |      |       |       |        |         |         |             |                                     |         |         |         |         |         |          |          |           |             |        |          |           |
| Wet Bulb   | 9   |      |  |      |       |       |        |         |         |             |                                     |         |         |         |         |         |          |          |           |             |        |          |           |
| -          | -   |      |  | 1    |       |       | 1      |         | -       | 1           |                                     |         | -       |         |         | -       |          |          | -         | 1           |        |          |           |

0 0 0 0 0

| 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |                                     | Wet Bulb Dew Point  | 13   | 2 2  | 3-  | 1240     |         |   |  |                                   | Total     | 744.0    | 144.0    | 1    |
|---|-------------------------------------|---|------|------|-----|----------|---------|---|--|-----------------------------------|-----------|----------|----------|------|
| PAGE 2                                  | TOTAL                               | Wet Bulb  |      |      |     |          | 1240    |   |  |                                   | L         | -        |          |      |
|   |                                     | Dry Bulb  |      |      |     | 1240     |         |   |  |                                   | 2 83 F    |          |          |      |
|   | TOTAL                               | D.B./W.B.   |      |      |     |          | 0 7 2 1 |   |  | Terroerat                         | ≥ 80 F    |          |          |      |
|   |                                     | ≥31   |      |      |     |          |         |   |  | Hours with                        | ≥73 F     | 37.8     |          |      |
|   |                                     | . 28 29 . 30  |      |      |     |          |         |   |  | Mean No. of Hours with Temerature | ₹ 67 F    | 121.8    |          |      |
| YEARS                                   |                                     | 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 |      |      |     | 7:       |         |   |  | *                                 | ≤ 32 F    | -        |          |      |
|   |                                     | 23 - 24   |      |      |     | 9.1      |         |   |  |                                   | -         | -        |          |      |
|   | (F)                                 | 20 21 - 22  |      |      |     | 6.3 4.6  |         |   |  |                                   | 40 F      |          |          |      |
|   | WET BULB TEMPERATURE DEPRESSION (F) | . 18 19 .   |      |      |     | 7.9 6    |         | + |  | No. Obs.                          | 1240      | 1240     | 1240     |      |
|   | RATURE DI                           | 15 - 16 17  |      |      |     | 8.5      |         | + |  |                                   |           | 24       | 2        |      |
|   | ULB TEMPE                           | 2 13 - 14   |      |      |     | .412.0   |         |   |  | ×°                                | £ . 22    | 9.3      | 6.375    |      |
|   | WET B                               |   |      |      |     | 110.     |         |   |  | ×                                 | 2025      | 5003     | 2164     | 200  |
| STATION NAME                            |                                     | 7 . 8 9 .   |      |      |     | 2.712    |         |   |  |                                   |           | 98869    |          | 2    |
|   |                                     | 5.6   |      |      |     | 9.012.   |         |   |  |                                   |           |          |          | 1    |
| ,                                       |                                     | 2 3.4   |      |      | _   | 9 6.1    |         |   |  |                                   | 12216     | +592+    | 2501022  | 2440 |
|   |                                     | 0 1.  |      |      |     | 2.3 4.   |         |   |  | Σχ <sub>2</sub>                   | 97        | 0        | 62       |      |
| HO!                                     | á                                   |   | :•   | - 50 | e   | <b>m</b> |         |   |  | (X)                               | lom.      | dlo      | Polb     |      |
| STATION                                 | Tem                                 | (4)   | 10/1 | 66   | • 6 | TOTAL    |         |   |  | Element (X)                       | Ref. Hum. | Dry Bulb | Wet Bulb |      |

| STATION     |   |                |     |      | STATION NA | -      |         |         |                                 |                             |           |            |           | TEARS   |          |          |                  |             |          | ᅙ            |
|-------------|---|----------------|-----|------|------------|--------|---------|---------|---------------------------------|-----------------------------|-----------|------------|-----------|---------|----------|----------|------------------|-------------|----------|--------------|
|             |   |                |     |      |            |        |         |         |                                 |                             |           |            |           |         |          |          |                  |             | PAGE     | - 13 S       |
| Temp.       |   |                |     |      |            |        | WET BUL | B TEMPE | RATURE                          | BULB TEMPERATURE DEPRESSION |           |            |           |         |          |          | TOTA             |             | TOTAL    | _            |
| ()          | • | 1.2            | 3.4 | 5.6  | 7.8        | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16                         | 17 - 18                     | 19 - 20 2 | 21 - 22 23 | 3 - 24 25 | . 26 27 | . 28 29  | . 30 ≥3  | 31 D.B./W.B.     | B. Dry Bulb | Wet Bulb | lb Dew Point |
| 116/115     |   |                |     |      |            |        |         |         |                                 |                             |           |            |           |         |          |          |                  |             |          |              |
| 111/211     |   |                |     |      |            |        |         |         |                                 |                             |           |            |           |         | -        |          | 12 10            | 17 1        |          |              |
| 110/109     |   |                |     |      |            |        |         |         |                                 |                             |           |            |           |         |          |          |                  |             |          |              |
| 109/107     |   |                |     |      |            |        |         |         |                                 |                             |           |            |           | 0       | 0.       | 70       |                  |             |          |              |
| 106/105     |   |                |     |      |            |        |         |         |                                 |                             |           |            |           | 0       | -        | 7        |                  |             | •        |              |
| 104/103     |   |                |     |      |            |        |         |         |                                 |                             |           |            |           | -       |          | 2        |                  |             |          |              |
| 102/101     |   |                |     |      |            |        |         |         |                                 | 0                           |           | •          |           | 7       |          | 7        |                  |             | ~        |              |
| 1001        |   |                |     |      |            |        |         |         |                                 |                             | 0.        |            | 7.        | 6.3     |          | •        |                  |             |          |              |
| •           |   |                |     |      |            |        |         |         |                                 | •                           | .2        | e.         | m.        | .2      | .2       | -        |                  |             | _        |              |
| 1           |   |                |     |      |            |        |         |         |                                 |                             | 2.        |            | *         | 7.      |          |          | 80               |             | -        |              |
|             |   |                |     |      |            |        |         |         | 7.                              | .2                          |           | .2         |           | . 2     |          |          |                  |             | •        |              |
|             |   |                |     |      |            |        | 0.      | 0.      | 7.                              |                             |           | 2.         |           | 7.      |          | -        | *                |             |          |              |
| 68 /06      |   |                |     |      |            | •      |         | .2      | *                               | 4.                          |           |            |           | *       |          | <b>m</b> | 2                |             | •        |              |
| 10 /88      |   |                |     |      | 0.         |        |         |         | .3                              |                             | . 3       | .3         |           |         |          | 0        | -                |             |          |              |
|             |   |                |     | 7.   | .2         | . 3    |         | *       | .3                              |                             |           | *          |           | 4.      |          |          |                  |             | _        |              |
|             |   |                |     | •    | •          | 7.     |         |         | . 3                             |                             | *         | *          |           |         |          | -        |                  |             |          | -            |
| 82/ 81      |   |                | •   | 7    | • 2        |        |         |         | • 5                             |                             | • 5       | 5          | · •       | 4       | . 2      | 0        | 92               |             |          | 5            |
| 6/ /00      |   |                | •.  | 7 6  | 1.         | 1.     |         | 7.      | 2.                              |                             | •         |            |           | 0       | -        |          | *                |             |          | 00           |
|             |   | •              |     | •.   |            |        |         |         |                                 |                             | 9.        |            | •         | 7 .     | 0        |          | 52               |             |          | 2            |
|             |   | •              | •.  | •    |            | 7.     |         | 7.      |                                 | •                           | •         |            |           | •.      | 0.       |          | 22               |             |          | -            |
|             |   | •              | •   |      | •          | .2     |         |         | *                               |                             |           |            |           | 0       |          |          | 53               |             |          | 1            |
|             |   | •              | •.  | •.   |            | 1.     |         | n       |                                 |                             | • 2       |            | 7.        | 0.      |          |          | 25               |             |          | -            |
|             |   | •              | •   | •.   |            |        |         |         |                                 | •                           | •         |            | 0         |         |          |          | •                |             |          | •            |
| 6 /         |   |                |     | •    | •          | 7.     |         | •       |                                 |                             | •         |            | 0         |         |          |          | 29               |             |          | 0            |
| 60 /00      |   | •              |     | •    |            |        |         |         |                                 |                             | 4         | :          |           |         |          |          | 27               |             |          | 1            |
| 0           |   | •              |     | •    |            |        |         |         | •                               |                             | 7.        |            |           |         |          |          | 96               |             |          |              |
| 02/ 01      |   |                |     | •    |            |        |         | •       |                                 | 3.                          | •         |            |           |         |          |          | 30               |             |          | -            |
| 60/39       | • |                | •.  | •    |            |        |         |         | 0                               | 9                           |           |            |           |         |          |          | 27               |             |          | è            |
| İ           |   |                | •   | •    |            |        |         | : *     |                                 |                             |           |            |           | 1       | +        | +        | -                |             | 1        | 0            |
| 54/ 53      |   | 100            |     | - 15 | 1.         |        |         | 3       | 2 -                             | 0                           |           |            |           |         |          |          | 243              |             | 975      | 2 50         |
| r           | • |                |     | •    |            |        |         |         | 0                               |                             |           |            | +         | -       | +        | +        | **               |             | 1        | -            |
| 80/ 49      | • |                |     | *    | .5         | •      |         | -:      | 0                               |                             |           |            |           |         |          |          | 38               |             |          | -            |
| Element (X) |   | $\Sigma_{X^3}$ |     |      | ××         |        | ×       | σ×      |                                 | No. Obs.                    |           |            |           | *       | Mean No. | of Hours | with Temperature | rature      |          | 1            |
| Rel. Hum.   |   |                |     |      |            |        |         |         |                                 |                             |           | ≥ 0 F      | £ 32      |         | ₹ 67 F   | ≥73 F    | 7 80             | F ≥93       | -        | Total        |
| Dry Bulb    |   |                |     |      |            |        |         |         |                                 |                             |           |            |           |         |          |          |                  |             |          |              |
| Wet Bulb    |   |                |     |      |            | -      |         |         | -                               |                             |           |            |           | -       |          |          | -                |             | +        |              |
|             |   |                | •   |      |            |        |         |         | No. of Street, or other Persons |                             |           |            |           |         |          |          |                  |             |          |              |

| Wet Buth Thavekafulue Demission (f)  1   | WIT DIAL THAT EACH COPY SO TO   | STATION   |     |       |   | STATION NAM | -    |         |         |           |          |          |           |          | YEARS   |          |      |     |          | 1        | PAGE           | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
|--|---|-----------|-----|-------|---|-------------|------|---------|---------|-----------|----------|----------|-----------|----------|---------|----------|------|-----|----------|----------|----------------|---------------------------------------|
| Were Bully Tables School (8)  1  | Well but in Early and the control of  |           |     |       |   |             |      |         |         |           |          |          |           |          |         |          |      |     |          |          | HOURS (L.S.T.) | 186                                   |
| (a) 0 1.2 3.4 3.4 3.4 3.1 13.14 13.14 13.16 20 31.22 32.24 32.26 37.28 3   | 0   | Temp.     |     |       |   |             |      | WET BUL | B TEMPE | ATURE D   | EPRESSIC | (F) NC   |           |          |         |          |      |     | TOTAL    |          | TOTAL          |                                       |
| 1  |   | (F)       |     | 3.    |   | . 8         | 01 - | 11 - 12 | 13 - 14 | 19 - 19 1 | 7 - 18 1 | 9 - 20 2 | 1 - 22 23 | 1 - 24 2 | . 26 2  | 7 . 28 2 |      |     | .B./w.B. | Dry Bulb |                |                                       |
| 1  | 1   | 10 /00    |     | ·     | ř |             | * w  |         | 00      |           |          |          |           |          |         |          |      |     | 246      | 200      |                |                                       |
| 1  | 1   | 64/43     |     | •     | • |             | 2.   |         | 0.      |           |          | +        | -         | +        |         |          | -    | 1   | 261      | 152      |                |                                       |
| 1, 33  |   | 15 /24    |     | •     | • |             | 7    | •       |         |           |          |          |           |          |         |          |      |     | 120      | 120      |                |                                       |
| 1  | 1   | 60 /09    |     |       | • |             |      |         |         |           |          |          |           |          | -       |          |      |     | 53       | 53       |                |                                       |
| 2  | 1   | 38/ 37    |     |       |   |             | •    |         |         |           |          |          |           |          |         |          |      |     | 28       | 28       |                |                                       |
|  | 1   | L.        |     |       |   |             |      |         |         |           |          |          |           |          |         |          |      |     | 22       | 22       |                |                                       |
| 2  | 27 29 .00 .00 .00 .00 .00 .00 .00 .00 .00 .0  |           |     |       |   |             |      |         |         |           |          |          |           |          |         |          |      |     | 9        |          |                |                                       |
| 1  | 1   | L         | •   |       |   |             |      |         |         |           |          |          |           |          |         |          |      |     | 4        |          | 0              |                                       |
| 2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5  | 2 / 2 5 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6   |           | •   | 0     |   |             |      |         |         |           |          |          |           |          |         |          |      |     | 1        |          | 2              |                                       |
| 0, 25<br>0, 21<br>0, 13<br>0, 13<br>0, 13<br>0, 13<br>0, 13<br>0, 13<br>0, 13<br>1, 13<br>1, 13<br>1, 13<br>1, 13<br>1, 13<br>1, 14608   | 2 / 2   2   2   2   2   2   2   2   2   | L         |     |       |   |             |      |         |         |           |          |          |           |          |         |          |      |     |          |          |                | 5                                     |
| 2, 21<br>2, 13<br>4, 13<br>6, 13<br>6, 13<br>6, 2<br>7, 3<br>7, 4, 6<br>7, 6<br>7, 6<br>7, 7, 8<br>7, 8<br>8, 8, 8<br>8, 8, 8<br>8, 8   | 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2  |           |     |       |   |             |      |         |         |           |          |          |           |          |         |          |      |     |          |          |                |                                       |
| 2 / 21<br>9 / 17<br>9 / 19<br>9 / 9<br>9 / 9 / 9<br>9  | 27 21 27 21 27 21 27 21 27 21 27 21 27 21 27 22 27 23 23 23 23 23 23 23 23 23 23 23 23 23   | L         |     |       |   |             |      |         |         |           |          |          |           |          |         |          |      |     |          |          |                |                                       |
| 2/ 13<br>2/ 13<br>2/ 13<br>2/ 13<br>2/ 13<br>2/ 2/ 3<br>2/ 3 | 2/ 13<br>2/ 13<br>2/ 13<br>2/ 2<br>2/ 3<br>2/   |           |     |       |   |             |      |         |         |           |          |          | -         |          |         |          |      |     |          |          |                |                                       |
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| 2/- 3<br>6/- 7<br>6/- 7<br>8/- 9<br>2/-13<br>2/-13<br>14608  | 2/-13 6/-7 8/-9 2/-13 2/  | 1 /2      |     |       |   |             |      |         |         |           |          |          |           |          |         |          | 1    |     |          |          |                |                                       |
| 2/- 3<br>6/- 7<br>8/- 9<br>2/-13<br>2/-13<br>14608   | 2/-13   | 1 -/0     |     |       |   |             |      |         |         |           |          |          |           |          |         |          |      |     |          |          |                |                                       |
| 6/- 7<br>6/- 7<br>8/- 9<br>2/-13<br>74 - 3 1.8 3.1 3.0 7.0 8.8 8.9 9.4 8.7 8.5 7.7 0.6 3.2 4.4 3.7 3.3 7.7 14608   | 6/- 7  8/- 9  2/-13  2/  | 2/- 3     |     |       |   |             |      |         |         |           |          |          |           |          |         |          |      |     |          |          |                |                                       |
| 13 .3 1.8 3.1 5.0 7.0 8.8 8.9 9.4 8.7 8.5 7.7 6.6 5.2 4.4 3.7 3.3 7.7 14608  | (x) $\sum_{X_1}^{X_2}$ $\sum_{Y_2}^{X_3}$ $\sum_{Y_3}^{X_4}$ $\sum_{Y_3}^{$   | 21.3      |     |       |   |             |      |         |         |           |          |          |           |          |         |          |      | -   |          |          |                |                                       |
| 13 .3 1.8 3.1 5.0 7.0 8.8 6.9 9.4 8.7 8.5 7.7 6.6 5.2 4.4 3.7 3.3 7.7 14608  | 13 .3 1.6 3.1 5.0 7.0 8.8 6.9 9.4 8.7 8.5 7.7 6.6 5.2 4.4 3.7 3.3 7.7 14608 14608 (x) \$\frac{\infty}{2}\   | 8/0 9     | +   | -     |   |             |      |         |         | 1         | -        | +        | +         | +        | +       | 1        |      | 1   |          |          |                |                                       |
| 14608  | (x) $\sum_{X_X^2} \frac{2\chi}{2}$ $\sum_{X_X} \frac{2\chi}{2}$ $\sum_{X_X} \frac{2\chi}{2}$ $\sum_{X_X^2} \frac{2\chi}{2}$ $\sum_{X_X^2$  | 12/-13    |     |       |   |             |      |         |         |           |          |          |           |          |         |          |      |     |          |          |                |                                       |
|  | 2x2   | DTAL      | 10  | 1     |   | 1           | 8.8  |         | 1       | 1         |          | 1        | 1         |          | 1       |          | 1    | -   |          | 1460     | 1 1            |                                       |
|  | 25313734 2x   |           |     |       |   |             |      |         |         |           |          |          |           |          |         |          |      |     | 4608     |          | 1460           |                                       |
|  | 45367224 1070088 73+3 10-919 14608 3-00402-44-33-3939-51332-6   | Rel. Hum. | 553 | 13734 |   | 13903       | 8    |         | 79.61   |           | 1460     | -        | ≥ 0 F     | = 3;     | 3.5     | ≥ 67 F   | 12   | 3 F | ≥ 80 F   | 2 93     |                |                                       |
| 23313734 539034 36.9 19.208 14608 50F 53F 267F 273F 280F 293F  | 2.01 6.179 0.65410.12 14608 14608   | Dry Bulb  | 728 | 2749  |   | 1008        | 8    |         | 10.4    |           | 1460     | -        |           |          | 3.05    | -204     | 6444 | 3.5 | 338.     | 26616    |                |                                       |
| 52513734 539034 36.9 19.208 14608 50F 537 280F 293F 293F 280F 293F 280F 293F 280F 293F 280F 293F 280F 293F 280F 293F 293F 280F 293F 293F 293F 293F 293F 293F 293F 293  |   | Wet Bulb  | 104 | 8788  |   | 12487       | 2    |         | 1       |           | 1460     | -        |           | 3        | I O O I | 733.     | 0    |     | 10.      | 7        |                |                                       |

# MEANS AND STANDARD DEVIATIONS

DRY BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

| STATION      | L                  | THE PERSON            |                      | STATION NAME          |         |       |                       |                       |   | YEARS                |                |                      | 1                    |                      |
|--------------|--------------------|-----------------------|----------------------|-----------------------|---------|-------|-----------------------|-----------------------|---|----------------------|----------------|----------------------|----------------------|----------------------|
| HRS.(L.S.T.) |                    | JAN.                  | FEB.                 | MAR.                  | APR.    | MAY   | JUN                   | JUI.                  | AUG.                                    | SEP.                 | 901            | NOV.                 | DEC.                 | ANNUAL               |
| 3            | S. D.<br>TOTAL OBS | 49.0<br>9.647<br>155  |                      | 54.8<br>5.106<br>155  | 5.084   | 69.3  | 79.0<br>5.810         | 3.037                 | 3.991                                   | 4.791                | 200            | 36.9<br>3.497<br>150 | W 4                  | 13.95                |
| 8            | S. D.<br>TOTAL OBS | 46.4<br>6.173         | 49.2                 | 51.8<br>4.943<br>155  | 5.800   | 65.0  | 74.8<br>5.945<br>150  | 82.6<br>3.671<br>155  | 81:1<br>4.752                           | 75.8<br>5.278<br>150 | 6.040          | 53.8<br>5.457<br>150 | 47.5<br>5.312<br>155 | 62.5<br>13.91<br>182 |
| 3            | S. D.<br>TOTAL OBS | 45.5<br>5.882<br>155  | 48.8<br>4.814        | 53.2<br>5.053<br>155  | 61.3    | 71.2  | 5,639                 | 3.105                 | 3.796                                   | 5.172                | 66.7           | 54.2<br>5.646<br>150 | 16.8<br>5.108<br>155 | 15.59                |
| =            | S. D.<br>TOTAL OBS | 5.581<br>5.581        | 63.5                 | 66.2<br>6.273<br>155  | 74.6    | 7.863 | 93.6                  | 95.7                  | 95.4                                    | 4,895                | 6.582<br>6.582 | 6.647                | 60°0<br>4°776<br>155 | 14.80                |
| 2            | S. D.<br>TOTAL OBS | 65.7                  | 70.7<br>6.250<br>141 | 72.4 7.141            | 80.4    | 89.4  | 100.7<br>6.598<br>150 | 102.0<br>4.342<br>155 | 102.1                                   | 96.4                 | 7,467          | 75.9                 | 67.6<br>6.038<br>155 | 14.89                |
| 1.           | S. D.<br>TOTAL OBS | 65.8<br>6.716<br>155  | 71.4                 | 73.0                  | 81.3    | 90.6  | 6.504                 | 103.4<br>4.336<br>155 | 103.6                                   | 97.1<br>5.714        | 7,796          | 75.4<br>8.084<br>150 | 67.2<br>6.141<br>155 | 15.54                |
| 2            | S. D.<br>TOTAL OBS | 57.7<br>5.650<br>135  | 62.7<br>5.379<br>141 | 64.8                  | 72.6    | 7,864 | 93.8<br>5.757         | 3.759                 | 4.197                                   | 5,200                | 17.7           | 65.7<br>6.329<br>150 | 58.3<br>4.724<br>159 | 15.22                |
| 2            | S. D.<br>TOTAL OBS | 52.3<br>5.549<br>155  | 56.4                 | 58.8<br>5.361<br>155  | 69.7    | 74.2  | 5.821                 | 3.031                 | 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 4.781                | 71.3           | 99.8<br>9.943        | 53.0<br>4.649<br>155 | 14.28                |
| ALL          | S. D.<br>TOTAL OBS | 55.0 59.<br>9.58810.0 | 10.041               | 61.9<br>9.953<br>1240 | 11,2891 | 1.685 | 11.406                | 92.5                  | 91.7                                    | 200                  | 15.5           | 10.613               | 9,354                | 10.01                |

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# MEANS AND STANDARD DEVIATIONS

|   | THUR HOURLY CASERVATIONS |   |
|---|--------------------------|---|
|   | MOURLY                   | 7 |
|   | S FECK                   |   |
|   | 200                      | 2 |
|   | CADED ATURES             |   |
| - |                          |   |

| 23195        | YON                | YUMAS ARIZONA         | ANDZ                  |                       |               |                      | 73-77                 | 22            |                      |                       |                      |                      |                      |                         |
|--------------|--------------------|-----------------------|-----------------------|-----------------------|---------------|----------------------|-----------------------|---------------|----------------------|-----------------------|----------------------|----------------------|----------------------|-------------------------|
| STATION      | 1                  |                       | 15                    | ATION NAME            |               |                      |                       |               |                      | YEARS                 |                      |                      | 1                    |                         |
| HRS.(L.S.T.) |                    | JAN.                  | FEB.                  | MAR.                  | APR.          | MAY                  | NOr.                  | JUL           | AUG.                 | SEP.                  | OCT.                 | NOV.                 | DEC.                 | ANNUAL                  |
| 70           | S. D.<br>TOTAL OBS | 41,3<br>5,532<br>155  | 5.156                 | 46.0                  | 49.0          | 3,949                | 60.1<br>4.551<br>150  | 68.9<br>4.791 | 6.211                | 66.9                  | 56.9<br>6.675<br>135 | 5,170                | 42.4<br>5.405<br>155 | 53.6<br>11.175<br>1826  |
| 3            | S. D.<br>TOTAL OBS | 5,846                 | 42.4<br>5.821<br>141  | 44.2                  | 47.3          | 53.6<br>4.421<br>155 | 59.0<br>4.798         | 66.8<br>4.945 | 6.472                | 65.8                  | 55.2                 | 5,385                | 5,333                | 52.5<br>11.769<br>1826  |
| 8            | S. D.<br>TOTAL OBS | 39.0                  | 41.9<br>5.495<br>141  | 4.568                 | 49.6          | 56.8<br>4,460<br>155 | 62.6                  | 10.9          | 70.3                 | 6,676                 | 53.6<br>6.507        | 45.1<br>5,324<br>150 | 39.6<br>5.235<br>155 | 53.7<br>12.641<br>1826  |
| =            | S. D.<br>TOTAL OBS | \$6.1<br>5,037<br>159 | 49.2<br>4.160         | 50.7<br>4.370         | 3,852         | 60.1<br>4.152        | 65.2<br>4.065         | 72.6          | 5.513                | 70.0<br>5,271         | 5.60                 | 52.1<br>5.087<br>150 | 4,663                | 10.513                  |
| 2            | S. D.<br>TOTAL OBS | 49.2                  | 51.8<br>3.740<br>141  | \$2.7<br>4.388<br>155 | 3,683         | 61.5                 | 3,597                 | 73.3          | 4.971                | 10.0                  | 4.904                | 54.7<br>4.671<br>150 | 50.4<br>4.672<br>155 | 60.1<br>9.478<br>1625   |
| 13           | S. D.<br>TOTAL OBS | 49.4                  | 52,1<br>3,878<br>141  | 52.8<br>4.539<br>155  | 3.810         | 61.4<br>4,239<br>155 | 3.413                 | 73.0          | 4.555                | 4,601                 | 4,893                | 5.096                | 50.5<br>4.812<br>155 | 9.321                   |
| 2            | S. D.<br>TOTAL OBS | 5,149                 | 0.00                  | 50.3<br>4.548<br>155  | 53.8<br>4.173 | 59.5<br>4.505        | 65.5<br>4.185         | 71.9          | 70.4<br>4.872<br>155 | 67.8<br>5.054         | 59.8<br>5.326<br>155 | 50.8                 | 4,906                | 57.7<br>10.240<br>1826  |
| 22           | S. D.<br>TOTAL OBS | 43.2<br>5,398         | 46.4<br>4.857         | 47.8                  | 3,948         | 56.8<br>4.249<br>155 | 62.1<br>4.462<br>150  | 69.8<br>1550  | 5.832                | 67.0<br>8,686<br>150  | 57.9<br>6.135        | 150                  | 5,249                | 55.4<br>10.671<br>1826  |
| ALL          | S. D.<br>TOTAL OBS | 64.5                  | 47.1<br>6.035<br>1128 | 5.492                 | 52.2          | 5.102                | 63.5<br>5.046<br>1200 | 71.2          | 5.836                | 66.1<br>5.861<br>1200 | 59.0                 | 49.7                 | 45.2                 | 36.5<br>11.130<br>14608 |

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# MEANS AND STANDARD DEVIATIONS

SERVAT 10NS

| DEM-POINT TEMPERATURES DEG # FROM HOURLY OBS |               |  |
|--|---------------|--|
| S DEG F FR                                   |               | 24127  |
| TEMPERATURE                                  | 73-77         | Control of the Contro |
| DEM-POINT                                    |               | The same of the sa |
|  | YUMAS ARTZONA |  |
|  | YUMA          |  |

| 23195        | 2                  | YUMAS ARIZONA                         | ANDZ           |                       |                      |                      | 73-77                | 11                    |                         |                         |         |       |                |                        |
|--------------|--------------------|---------------------------------------|----------------|-----------------------|----------------------|----------------------|----------------------|-----------------------|-------------------------|-------------------------|---------|-------|----------------|------------------------|
| STATION      | 1                  |                                       | 12             | ATION NAME            |                      |                      |                      |                       |                         | YEARS                   |         |       | 1              |                        |
| HRS.(L.S.T.) |                    | JAN.                                  | FEB.           | MAR.                  | APR.                 | MAY                  | JUN.                 | JUL                   | AUG.                    | SEP.                    | OCT.    | NOV.  | DEC.           | ANNUAL                 |
| 20           | S. D.<br>TOTAL OBS | 29.9 33.3<br>10.44710.746<br>155 141  | 33.3           | 35.1<br>9.578<br>155  | 36.1                 | 41.4<br>6.610<br>155 | 44.8<br>10.01<br>150 | 9.1951                | 58.1<br>11.452          | 29.5<br>10.999<br>150   | 11,1531 | 35.0  | 30.9<br>11.167 | 14,774                 |
| 3            | S. D.<br>TOTAL OBS | 29.7 32.7<br>10.27510.729<br>155 141  | 32.7<br>10.729 | 34.1                  | 8.654                | 43.3<br>6.739        | 46.6<br>8.237        | 61.0                  | 60;3<br>10,775          | 59.4<br>10.748          | 11,0031 | 33.8  | 29.3           | 42.8<br>15.169<br>1826 |
|              | S. D.<br>TOTAL OBS | 28.6 31.8<br>10,30110,9291            | 31.8           | 34.1<br>10.314<br>155 | 36.9                 | 7.410                | 49.1<br>8.701<br>150 | 62.6                  | 62.3<br>11.465<br>155   | 10,7461                 | 11,0461 | 33.2  | 10,215         | 43.3                   |
| =            | S. D.<br>TOTAL OBS | 30.3 31.8<br>10.73911.8921            | 31.8           | 32.8<br>10.636<br>155 | 33.9<br>8.847        | 41.1                 | 9.835                | 9000                  | 58.8<br>2.359           | 58.4<br>11,118          | 11.8991 | 1,204 | 30.4           | 15,482                 |
| 2            | S. D.<br>TOTAL OBS | 28.8 29.5<br>10.43911.5981            | 29.5           | 29.9                  | 8,934                | 38.2<br>8.306<br>155 | 41.4                 | 58.1<br>8.8851<br>158 | 54:1<br>12:286<br>155   | 10.8591                 | 43.2    | 32.2  | 29.1           | 39.2<br>14.981<br>1626 |
| 12           | S. D.<br>TOTAL OBS | 29.0 29.1<br>10.52212.1491<br>159 141 | 29.1           | 29.3                  | 29.5                 | 36.2                 | 40.3<br>8.960<br>150 | 96.3<br>8.9071<br>155 | 52.2                    | 52.5<br>11,504<br>150   | 41.9    | 32.4  | 29.9           | 36.3                   |
| 02           | S. D.<br>TOTAL OBS | 30.3 32.0<br>10.60211.3671            | 32.0           | 33.4                  | 34.6<br>8,428<br>150 | 40.3<br>7,722<br>155 | 45.6<br>9.138        | 58.7<br>9.0321        | 55.7<br>10.758          | 55.2<br>10,223<br>150   | 45.5    | 34.1  | 31.2           | 14.200                 |
| 2            | S. D.<br>TOTAL OBS | 30.6 33.7<br>10.34711.1601            | 33.7           | 34.6                  | 35.2<br>8.145<br>150 | 41.8<br>6.919<br>155 | 44.9                 | 59.2<br>8.234)        | 57:7<br>11:464<br>155   | 10,4421                 | 10.6071 | 1.085 | 31,9           | 14,358                 |
| ALL          | S. D.<br>TOTAL OBS | 29.6 31.8<br>10.47711.4051            | 31.8           | 32.9                  | 34.2                 | 7.947                | 9.657                | 59.5<br>9.026<br>1240 | 57:4<br>11.9431<br>1240 | 57.2<br>11.1271<br>1200 | 1.153   | 33.7  | 30.2           | 15.042                 |

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YUMAS ARIZONA 23195

STATION

STATION NAME

73-77

MONTH ZAS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|        | HOURS    |       |       | PERCENTA | GE FREQUENCY | OF RELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | ATER THAN |      |     | MEAN     | TOTAL |
|--------|----------|-------|-------|----------|--------------|-------------|--|-----------|------|-----|----------|-------|
|        | (L.S.T.) | %01   | 20%   | 30%      | 40%          | 20%         | %09  | 70%       | 80%  | %06 | HUMIDITY | 088.  |
| NAU    | 0.2      | 100.0 | 97.4  | 86.5     | 0.69         | 45.8        | 28.4   | 16.8      | 9.4  | 4.5 | 6.05     | 155   |
|        | 60       | 100.0 | 98.1  | 91,0     | 72,3         | \$9.4       | 36.8   | 23.9      | 11.6 | 5.2 | 55.5     | 155   |
|        | 90       | 100.0 | 100.0 | 89.0     | 72.9         | 54.2        | 36.1   | 23.2      | 13,5 | 5.8 | 55.2     | 155   |
|        | =        | 100.0 | 92.3  | 56.8     | 36.8         | 20.0        | 11.0   | 5.5       | 3,2  | 1.3 | 37.9     | 155   |
|        | *1       | 4.66  | 9.09  | 34,2     | 14.8         | 3.9         | 1,3  | 1.3       |      |     | 27.2     | 155   |
|        | 1.1      | 7.86  | 61.3  | 36.1     | 13.5         | 6.5         | 1.3  | •         | •    |     | 27.4     | 155   |
|        | 20       | 100.0 | 92.3  | 58,1     | 33,5         | 20.6        | 12.9   | 5.5       | 1,3  |     | 38.0     | 155   |
|        | 23       | 100.0 | 8.96  | 79.4     | 57.4         | 31.6        | 20.6   | 11.0      | 3,2  | •   | 1.04     | 155   |
|        |          | Kim   |       |          |              |             |  |           |      |     |          |       |
|        |          |       |       |          |              |             |  |           |      |     |          |       |
| TOTALS |          | 99.8  | 87.4  | 66.4     | 46,3         | 30.3        | 18.6   | 10.9      | 5,2  | 2.2 | 42,3     | 1240  |

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YUMAS ARIZONA 23195

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STATION NAME

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MONTH FES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| HINOM  | HOURS    |       |      | PERCENTA | GE FREQUENCY | OF RELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | ATER THAN |      |     | MEAN     | TOTAL |
|--------|----------|-------|------|----------|--------------|-------------|--|-----------|------|-----|----------|-------|
|        | (L.S.T.) | 10%   | 20%  | 30%      | 40%          | 20%         | %09  | 20%       | %08  | %06 | HUMIDITY | 088.  |
| FEB    | 20       | 100.0 | 8.96 | 85.8     | 8.89         | 48.2        | 34.8   | 50.02     | 5.7  | 1.  | 51.8     | 141   |
|        | 90       | 100.0 | 99.3 | 90,1     | 73.8         | 57.4        | 45.6   | 30.5      | 12,8 | 3.5 | 56.5     | 141   |
|        | 80       | 100.0 | 98.6 | 89.4     | 71.6         | \$0.4       | 37.6   | 30.5      | 14,2 | 5.0 | 55.6     | 141   |
|        | 11       | 99.3  | 73.8 | 47.3     | 31.2         | 17.0        | 6.6  | 5.7       | 3,5  | 1.4 | 34.5     | 141   |
|        | 1.4      | 90.1  | 49.6 | 29.8     | 12,8         | 7.1         | 3.5  | 2.1       | 1.0  |     | 25.2     | 141   |
|        | 1.1      | 83.7  | 48.2 | 27.0     | 12,8         | 5.7         | 5.0  | 3.5       | 2,1  |     | 24.6     | 141   |
|        | 92       | 66.6  | 60.1 | 52:5     | 33,3         | 50.02       | 6.6  | 5.7       | 2,8  | 1:4 | 36.1     | 141   |
|        | 23       | 98.6  | 95.7 | 77.3     | 54.6         | 35.5        | 22.7   | 12.1      | 9.0  |     | 1.94     | 141   |
|        |          |       |      |          |              |             |  |           |      |     |          |       |
|        |          |       |      |          |              |             |  |           |      |     |          |       |
| TOTALS |          | 4.96  | 80.2 | 62.4     | 44.9         | 30.2        | 20.8   | 13.6      | 5.9  | 1.7 | 41.3     | 1128  |

### RELATIVE HUMIDITY

23195 STATION

YUMAS ARIZONA

73-77

MAR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TOTAL  | OBS.     | 155   | 155   | 155   | 155  | 155  | 155  | 155  | 155  |  | 1240   |
|--|----------|-------|-------|-------|------|------|------|------|------|--|--------|
| MEAN   | HUMIDITY | 50.6  | 54.4  | 52,1  | 31.9 | 23,3 | 22.7 | 33,9 | 43.5 |  | 39.1   |
|  | %06      | 1.3   | 3.2   | 1,3   |      |      |      |      |      |  | 1.     |
|  | %08      | 4,5   | 6.9   | 6,9   |      |      |      | 1,9  | 1,9  |  | 2.7    |
| ATER THAN  | 70%      | 13.5  | 20.02 | 20.02 | 1.9  |      | 1:3  | 3.2  | 6.9  |  | 8.3    |
| PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | %09      | 31.0  | 38.1  | 32.3  | 3,9  | 9.   | 1,3  | 4.5  | 13.5 |  | 15.7   |
| OF RELATIVE  | %05      | 50.3  | 58.1  | 84.8  | 0.6  | 2.6  | 1.9  | 10.3 | 32.9 |  | 27.5   |
| SE FREQUENCY   | 40%      | 73.5  | 76.8  | 74.2  | 23.2 | 7.1  | 5.2  | 32,9 | 55.5 |  | 43.6   |
| PERCENTAC  | 30%      | 84.5  | 87.7  | 61.9  | 50.3 | 29.0 | 27.7 | 54.8 | 74.2 |  | 61.3   |
|  | 20%      | 96.1  | 95.5  | 94.2  | 70.3 | 51.6 | 0.64 | 61.3 | 6.26 |  | 78.9   |
|  | 10%      | 100.0 | 100.0 | 100.0 | 97.4 | 4.88 | 83.9 | 98.1 | 4.66 |  | 95.9   |
| HOURS  | (L.S.T.) | 0.2   | 90    | 80    | =    | *    | 11   | 20   | 23   |  | SIV    |
| TENON  |          | MAR   |       |       |      |      |      |      |      |  | TOTALS |

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STATION NAME YUMAS ARIZONA 23195 STATION

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|       | HOURS   |       |      | PERCENTA | GE FREQUENCY | OF RELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | ATER THAN |     |     | MEAN     | TOTAL |
|-------|---------|-------|------|----------|--------------|-------------|--|-----------|-----|-----|----------|-------|
| MONTH | (LS.T.) | 10%   | 20%  | 30%      | 40%          | %05         | %09  | 70%       | 80% | %06 | HUMIDITY | OBS.  |
| APR   | 20      | 100.0 | 95.3 | 80.0     | 51,3         | 26.0        | 8.7  | 3,3       | 2.0 |     | 45.4     | 150   |
|       | 90      | 100.0 | 0.96 | 86.7     | 68,7         | 44.7        | 22.0   | 1.9       | 2.7 | 2.0 | 1000     | 150   |
|       | 90      | 100,0 | 94.7 | 76,7     | 53,3         | 30.0        | 13,3   | 0.4       | 2.0 | 1.3 | 43.2     | 150   |
|       | =       | 1.96  | 58.0 | 28.0     | 8.0          | 2.7         | 2.0  | 1,3       |     |     | 25.0     | 150   |
|       | *       | 80.0  | 34.7 | 8.0      | 3,3          | 2.7         | 1.3  |           |     |     | 18.7     | 150   |
|       | 17      | 77.3  | 27.3 | 7.3      | 2.0          | 1.3         |  | 1.        |     |     | 17,1     | 150   |
|       | 20      | 98.0  | 7007 | 29,3     | 0.8          | 3.3         | 2.7  | 2.0       | 1,3 |     | 27.0     | 150   |
|       | 23      | 99.3  | 0.98 | 58.0     | 30,7         | 7.3         | 4.0  | 2.7       | 1,3 |     | 34.7     | 150   |
|       |         |       |      |          |              |             |  |           |     |     |          |       |
|       |         |       |      |          |              |             |  |           |     |     |          |       |
|       |         |       |      |          |              |             |  |           |     |     |          |       |
|       |         |       |      |          |              |             |  |           |     |     |          |       |
| 5     | TOTALS  | 93.9  | 70.3 | 46.8     | 28.2         | 14.8        | 6.9  | 5.9       | 1,3 |     | 32.2     | 1200  |

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5706 RELATIVE HUMIDITY JAN 68

> YUMAS ARIZONA 23195 STATION

73-77

MAY

RELATIVE HUMIDITY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| 12.00 | HOURS   |       |      | PERCENTA | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | OF RELATIVE | HUMIDITY GRE | ATER THAN |     |     | MEAN     | TOTAL |
|-------|---------|-------|------|----------|--|-------------|--------------|-----------|-----|-----|----------|-------|
| MONIH | (LS.T.) | %OL   | 20%  | 30%      | 40%  | 20%         | %09          | 20%       | %08 | %06 | HUMIDITY | OBS.  |
| MAY   | 0.2     | 4.66  | 94.2 | 72,3     | 38,7   | 17.4        | 3.9          | 9.        | •   |     | 38,3     | 155   |
|       | 90      | 100.0 | 466  | 65.26    | 1.69   | 41.9        | 13.5         | 3.9       | •   |     | 47,3     | 155   |
|       | 90      | 100.0 | 95.5 | 76.1     | 1.64   | 21.9        | 5,2          | 1.9       |     |     | 404      | 155   |
|       | =       | 96.1  | 62.6 | 25,8     | 3,9  |             |              |           |     |     | 24.2     | 155   |
|       | •1      | 84.5  | 31.0 | 3,2      | 9  | 9.          | 9            | 9.        |     |     | 17.8     | 155   |
|       | 11      | 78.7  | 20.6 | 3.9      | •  | 90          | 9.           | 0.        | •   |     | 1601     | 155   |
|       | 50      | 7.86  | 59.4 | 20,02    | 3,2  | 9.          | 9.           | 9.        |     |     | 23,9     | 155   |
|       | 23      | 100.0 | 91.0 | 53.5     | 21.9   | 5.2         | 1,3          |           |     |     | 32,9     | 155   |
|       |         |       |      |          |  |             |              |           |     |     |          |       |
|       |         |       |      |          |  |             |              |           |     |     |          |       |
| 101   | TOTALS  | 94.7  | 69.2 | 43.5     | 23.5   | 11.0        | 3,2          | 1:1       | .2  |     | 30.1     | 1240  |

YUMAS ARIZONA STATION NAME 23195 STATION

73-77

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TOTAL  | 088.     | 150   | 150   | 150   | 150  | 150  | 150  | 150  | 150  |        | 1200 |
|--|----------|-------|-------|-------|------|------|------|------|------|--------|------|
| MEAN   | HUMIDITY | 32.0  | 38.5  | 34.1  | 20.0 | 16.1 | 12,7 | 2002 | 26.6 |        | 24.8 |
|  | %0%      |       |       |       |      |      |      |      |      |        |      |
|  | %08      |       |       |       |      |      |      |      |      |        |      |
| TER THAN   | 20%      |       | 7.02  | 7.    |      |      |      |      |      |        | 5    |
| UMIDITY GREA   | %09      | 7.2   | 0.0   | 2.7   |      |      |      |      | 2.0  |        | 1.7  |
| PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | 20%      | 8.0   | 14.7  | 10.7  |      |      |      |      | 2.7  |        | 6.5  |
| E FREQUENCY  | 40%      | 20.05 | 35.3  | 23,3  |      |      |      | 2.7  | 8 0  |        | 11.3 |
| PERCENTAC  | 30%      | 51.3  | 74.0  | 60.7  | 14:7 | 2,7  | 1.   | 7.3  | 32.0 |        | 30.6 |
|  | 20%      | 82.7  | 94.0  | 0.06  | 0.00 | 12.0 | 6.7  | 38.7 | 72.7 |        | 54.6 |
|  | 10%      | 98.0  | 100.0 | 100.0 | 86.7 | 70.0 | 63.3 | 0.46 | 98.0 |        | 88.8 |
| HOURS  | (L.S.T.) | 20    | 90    | 90    | =    | *    | 11   | 20   | 23   | Si     |      |
| MONTH  |          | NOT   |       |       |      |      |      |      |      | TOTALS |      |

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#### RELATIVE HUMIDITY

YUMAS ARIZONA STATION MANE 23195 STATION

73-77

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| T. T. T. | HOURS   |       |      | PERCENTA | GE FREQUENCY | Y OF RELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | ATER THAN |     |     | MEAN     | TOTAL |
|----------|---------|-------|------|----------|--------------|---------------|--|-----------|-----|-----|----------|-------|
|          | (LS.T.) | 10%   | 20%  | 30%      | 40%          | 20%           | %09  | 70%       | 80% | %06 | HUMIDITY | 088.  |
| 101      | 20      | 100.0 | 96.3 | 84.5     | 56.8         | 35.5          | 12.9   | 3.9       | •   |     | 44.7     | 155   |
|          | 50      | 100.0 | 99.6 | 97.6     | 73.5         | 49.7          | 21.9   | 1,1       | 902 |     | 6666     | 155   |
|          | 90      | 100.0 | 98.1 | 87.1     | 67.1         | 38.1          | 18,7   | 3.9       |     |     | 47.1     | 155   |
|          | =       | 99.4  | 84.5 | 56.1     | 21.9         | 7.1           | 1.3  |           |     |     | 32.7     | 155   |
|          | 16      | 96.1  | 1.70 | 21.9     | 7.1          | 109           | 91   |           |     |     | 25.0     | 155   |
|          | 11      | 94.2  | 57.4 | 16.8     | 4.5          |               |  |           |     |     | 22.5     | 155   |
|          | 20      | 98.7  | 83.2 | 48.4     | 14.8         | 3.9           | 1.3  | 9         | 9   |     | 30.7     | 155   |
|          | 23      | 100.0 | 96.1 | 75.5     | 39.4         | 13.5          | 5,2  | 1.3       |     |     | 38,5     | 155   |
|          |         |       |      |          |              |               |  |           |     |     |          |       |
|          |         |       |      |          |              |               |  |           |     |     |          |       |
| TOT      | TOTALS  | 98.6  | 85.3 | 60,0     | 35.6         | 18.7          | 7.7  | 2.2       | 6,9 |     | 36,4     | 1240  |
|          |         |       |      |          |              |               |  |           |     |     |          |       |

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#### RELATIVE HUMIDITY

YUMAS ARIZONA STATION NAME

73-77

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| THE OW   | HOURS    |       |        | PERCENTA | GE FREQUENCY | Y OF RELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | ATER THAN |     |     | MEAN     | TOTAL |
|--|----------|-------|--------|----------|--------------|---------------|--|-----------|-----|-----|----------|-------|
| THE PARTY OF THE P | (L.S.T.) | 10%   | 20%    | 30%      | 40%          | 20%           | %09  | 70%       | 80% | %06 | HUMIDITY | OBS.  |
| AUG  | 20       | 100.0 | 94.2   | 79.4     | 56.8         | 31.6          | 16.1   | 6.9       | 1,9 | 9   | 0.44     | 155   |
|  | 65       | 100.0 | 97.4   | 92,3     | 74.8         | 48.4          | 30.3   | 12.3      | 5,2 | 9   | 51.6     | 155   |
|  | 90       | 100.0 | 96.1   | 89,7     | 65.8         | 51.0          | 30.3   | 11.0      | 2,6 | 9   | 50.3     | 155   |
|  | 7        | 96.8  | 77.4   | 57.4     | 27.1         | 4.5           | 1.9  | 0         |     |     | 32.1     | 155   |
|  | 14       | 90.3  | \$6.08 | 17.4     | 3,2          | 11.3          | 1,3  |           |     |     | 22,2     | 155   |
|  | 11       | 87.7  | 40.6   | 9.4      | 2.6          | 103           | 1.3  | 1.3       | 1,3 | 9   | 20.1     | 155   |
|  | 02       | 4.66  | 67.01  | 40.0     | 14.2         | 1.9           | 1.3  | 1:3       | 1,3 | 1.3 | 28,5     | 155   |
|  | 23       | 4.66  | 91.0   | 67,7     | 9.04         | 1601          | 7.1  | 3.9       | 109 | 0   | 38.3     | 155   |
|  |          |       |        |          |              | 2             |  |           |     |     |          |       |
|  |          |       |        |          | ā            |               |  |           |     |     |          |       |
|  |          |       |        |          |              |               |  |           |     |     |          |       |
| 5  | TOTALS   | 96.7  | 77.5   | 56.5     | 35.6         | 19.5          | 11.2   | 4.6       | 1.8 | .3  | 35.9     | 1240  |

YUMAS ARIZONA STATION NAME

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73-77

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| 1      | HOURS   |       |      | PERCENTA | GE FREQUENCY | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | HUMIDITY GRE | ATER THAN |      |     | MEAN     | TOTAL |
|--------|---------|-------|------|----------|--------------|--|--------------|-----------|------|-----|----------|-------|
| MOMIN  | (LS.T.) | 10%   | 20%  | 30%      | 40%          | 20%  | %09          | 70%       | 80%  | %06 | HUMIDITY | OBS.  |
| SEP    | 20      | 100.0 | 98.0 | 90.7     | 75.3         | 60.7   | 45.0         | 20,7      | 0.4  |     | 54.5     | 150   |
|        | 95      | 100.0 | 7.86 | 95.3     | 0.98         | 67.3   | 48.0         | 28.0      | 12.0 |     | 59,1     | 150   |
|        | 90      | 100.0 | 99.3 | 0.46     | 78.7         | 64.7   | 43,3         | 22.7      | 4.7  | .,  | 56.2     | 150   |
|        | =       | 88.3  | 86.0 | 0.89     | 43,3         | 17.3   | 3,3          | 2.0       | ••   |     | 37,2     | 150   |
|        | *       | 96.0  | 0.40 | 32,7     | 8.7          | 4.0  | 143          |           |      |     | 9,45     | 150   |
|        | =       | 0.46  | 57.3 | 26.0     | 8.7          | 4.7  | 2.7          | 1.3       |      |     | 24.7     | 150   |
|        | 20      | 99.3  | 66.7 | 48.7     | 29,3         | 14.0   | 7.3          | 2,0       |      |     | 34.6     | 150   |
|        | 23      | 100,0 | 7.96 | 80.7     | 58.7         | 35.3   | 14.0         | 0.8       | 1,3  |     | 45.1     | 150   |
|        |         |       |      |          |              |  |              |           |      |     |          |       |
|        |         |       |      |          |              |  |              |           |      |     |          |       |
|        |         |       |      |          |              |  |              |           |      |     |          |       |
| TOTALS | ALS     | 98.6  | 85.8 | 67.0     | 48.6         | 33.5   | 20.2         | 10.6      | 2,8  | .2  | 42,3     | 1200  |

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RELATIVE HUMIDITY

STATION NAME YUMAS ARIZONA 23195 STATION

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|       | HOURS   |       |       | PERCENTA | GE FREQUENCY | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | HUMIDITY GRE | ATER THAN |      |     | MEAN     | TOTAL |
|-------|---------|-------|-------|----------|--------------|--|--------------|-----------|------|-----|----------|-------|
| MONIH | (LS.T.) | 10%   | 20%   | 30%      | 40%          | 20%  | %09          | 20%       | 80%  | %06 | HUMIDITY | 088.  |
| 100   | 05      | 100.0 | 98.7  | 87.7     | 1.69         | 44.5   | 27.1         | 1661      | 2,2  | 0   | 50.5     | 155   |
|       | 95      | 100.0 | 97.4  | 93.5     | 79.4         | 52.9   | 32.9         | 22.6      | 14,2 | 3.2 | 35,2     | 155   |
|       | 90      | 100.0 | 1881  | 98.4     | 1.69         | 43.2   | 28.4         | 18.7      | 7,1  |     | 50.9     | 155   |
|       | ,=      | 99.6  | 24.2  | 46.5     | 29.7         | 12.9   | 3,9          | 1.3       | 0.   |     | 32,5     | 155   |
|       | •       | 93.5  | 48.4  | 25.2     | 6.5          | 3.2  | 1,3          | 1.3       | 143  |     | 99.62    | 155   |
|       | 11      | 93.5  | 644.5 | 50.02    | 6.5          | 3.9  | 1.9          | 1,3       | 9.   |     | 22.7     | 155   |
|       | 20      | 100.0 | 87.7  | 49.7     | 28.4         | 12.9   | 6.5          | 1.9       | 9.   | 9   | 34.2     | 155   |
|       | 23      | 100.0 | 98.1  | 81,3     | 52.3         | 29.0   | 14.8         | 7.7       | 2,6  | 9   | 1.00     | 188   |
|       |         |       |       |          |              |  |              |           |      |     |          |       |
|       | 1       |       |       |          |              |  |              |           |      |     |          |       |
|       |         |       |       |          |              |  |              |           |      |     |          |       |
| TOI   | TOTALS  | 98,3  | 60.0  | 61,6     | 42.8         | 25.3   | 14.4         | 6.8       | 4.0  | 90  | 39.2     | 1240  |

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#### RELATIVE HUMIDITY

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73-77

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|       | HOURS    |       |       | PERCENTA | GE FREQUENCY | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | HUMIDITY GRE | ATER THAN |     |     | MEAN     | TOTAL |
|-------|----------|-------|-------|----------|--------------|--|--------------|-----------|-----|-----|----------|-------|
| MONIH | (L.S.T.) | 10%   | 20%   | 30%      | 40%          | 20%  | %09          | 20%       | 80% | %06 | HUMIDITY | OBS.  |
| NOV   | 05       | 99.3  | 94.0  | 81.3     | 62.7         | 39,3   | 18.0         | 10.0      | 647 | 13  | 47.1     | 150   |
|       | 50       | 100.0 | 96.0  | 89.3     | 7.99         | 48.0   | 24.7         | 12,7      | 6.7 | 4.0 | 46.9     | 150   |
|       | 90       | 100.0 | 7.99  | 81.3     | 6103         | 6119   | 24.7         | 19.0      | 6.7 | 2.0 | 48.3     | 150   |
|       | =        | 7.86  | 72.7  | 40.0     | 21,3         | 9.3  | 4.7          | 2.7       |     |     | 30.4     | 150   |
|       | =        | 0.46  | 44.7  | 18.0     | 0.9          | 2.0  | 1,3          | 7.        |     |     | 22,2     | 150   |
|       | 13       | 96.0  | 566.7 | 17.3     | 6.7          | 3.3  | 2.0          | 1.3       | 143 |     | 22.9     | 150   |
|       | 20       | 99.3  | 62.7  | \$2,7    | 28.0         | 10.0   | 3,3          | 2.0       |     |     | 33.3     | 150   |
|       | 23       | 98.7  | 94.0  | 76.0     | 50.7         | 28.0   | 12.7         | 0.8       | 2,0 |     | 42.8     | 150   |
|       |          |       |       |          |              |  |              |           |     |     |          |       |
|       |          |       |       |          |              |  |              |           |     |     |          |       |
| 101   | TOTALS   | 98.5  | 78.2  | 57.0     | 37.9         | 22.7   | 11.4         | 4.0       | 3.0 | 1.0 | 37.1     | 1200  |

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YUMAS ARIZONA 23195 STATION

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| 7000           | 900                                     |
|----------------|---|
| 20% 30% 40%    | %05                                     |
| 96.8 81.3 63.2 | 81.3                                    |
| 97.4 83.9 68.4 | -                                       |
| 98.7 87.1 71.0 | 87.1                                    |
| 82.6 49.7 30.3 | 49.7                                    |
| 53,5 26,5 13,5 | 26.5                                    |
| 56.8 25.8 14.8 | 25.8                                    |
| 89.0 59.4 38.1 | 59.4                                    |
| 97.4 78.7 59.4 | 78.7                                    |
|                |   |
|                |   |
| 84.0 61.6 44.8 | • |

YUMAS ARIZONA STATION NAME 23195 STATION

73-77

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| THE PARTY | HOURS    |      |      | PERCENTA | GE FREQUENCY | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | HUMIDITY GRE | ATER THAN |     |     | MEAN     | TOTAL |
|-----------|----------|------|------|----------|--------------|--|--------------|-----------|-----|-----|----------|-------|
| MONIE     | (L.S.T.) | 10%  | 20%  | 30%      | 40%          | 20%  | %09          | 20%       | 80% | %06 | HUMIDITY | 088.  |
| JAN       | ALL      | 8.66 | 87.4 | 4:00     | 46.3         | 30.3   | 18.6         | 10.9      | 5,2 | 2.2 | 42.3     | 1240  |
| FEB       |          | 96.4 | 90.2 | 62.4     | 6.44         | 30.2   | 20.8         | 13.6      | 5,9 | 107 | 41.3     | 1128  |
| HAR       |          | 95.9 | 78.9 | 61,3     | 43.6         | 27.5   | 15.7         | 6.9       | 207 |     | 39.1     | 1240  |
| APR       |          | 93.9 | 70.3 | 46.8     | 28.2         | 14.8   | 6.8          | 2.9       | 1,3 | .5  | 32,2     | 1200  |
| MAY       |          | 94.7 | 5965 | 43.5     | 23.5         | 11.0   | 3,2          | 3         | 2,  |     | 30.1     | 1240  |
| NAL       |          | 86.8 | 54.6 | 30.4     | 11.3         | 4.5  | 1.7          | 5.        |     |     | 24.8     | 1200  |
| 101       |          | 98.6 | 85,3 | 0.09     | 35.6         | 18.7   | 7.7          | 202       | 5   |     | 36.4     | 1240  |
| AUG       |          | 7.96 | 77.6 | 56.5     | 35.6         | 19.5   | 11.2         | 4.0       | 108 |     | 35.9     | 1240  |
| SEP       |          | 98.6 | 85.8 | 67.0     | 48.6         | 33.5   | 20.2         | 10.6      | 2,8 | .2  | 42,3     | 1200  |
| 130       |          | 98.3 | 6000 | 61.6     | 42.8         | 25.3   | 16.6         | 6.9       | 0.4 | 9.  | 39.2     | 1240  |
| NOV       |          | 98.5 | 78.2 | 57,0     | 37.9         | 22.7   | 11.6         | 4.9       | 3,0 | 1.0 | 37,1     | 1200  |
| DEC       |          | 1.66 | 0.48 | 919      | 8.44         | 30.7   | 19.6         | 13.6      | 8.4 | 4.8 | 42.2     | 1240  |
| 7         | TOTALS   | 96.6 | 77.7 | 56.2     | 36.9         | 22.4   | 12.6         | 7.0       | 3.0 | 1.0 | 36.9     | 14608 |

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

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JAMUARY

WIND DIRECTION JAN 1973-DEC 1977

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23195 STATION

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| 1921    | TEMP.      | N Z Z | A N N N N N N N N N N N N N N N N N N N | S ENE | ESE<br>& SE | SSE  | SSW<br>SSW | wsw<br>8 w | www<br>www | CALM | TOTAL<br>FREG. | % OF<br>TOTAL |
|--|------------|-------|---|-------|-------------|------|------------|------------|------------|------|----------------|---------------|
| 100.00 100.00 13.3 6.7 2.0 6.0 6.7 13.3 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5  | 122+       |       |   |       |             |      |            |            |            |      |                |               |
| 100.00 10   | 17 10 121  |       |   |       |             |      |            |            |            |      |                |               |
| 100.00 13.3 6.7 2.0 20.0 4.0 13.3 11.0 11.0 11.0 11.0 11.0 11.0 11   | 112 TO 116 |       |   |       |             |      |            |            |            |      |                |               |
| 100.00 100.00 13.3 6.7 2.0 4.0 6.0 13.3 6.0 6.0 13.3 6.0 6.0 13.3 6.0 6.0 13.3 6.0 6.0 13.3 6.0 6.0 13.3 6.0 6.0 13.3 6.0 6.0 13.3 13.3 13.3 13.3 13.3 13.3 13.3 13  | 111 OT 701 |       |   |       |             |      |            |            |            |      |                |               |
| 100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>10 | 102 TO 106 |       |   |       |             |      |            |            |            |      |                |               |
| 100.00 10   | 101 01 76  |       |   |       |             |      |            |            |            |      |                |               |
| 1000.0<br>40.0 13.3 5.7 20.0<br>40.0 13.3 5.7 2.0<br>40.0 2.4.0 5.0 4.0<br>33.8 18.5 3.8 8.7 2.4 8.7 13.0<br>40.2 14.1 5.3 3.8 8.7 2.4 8.7 13.0<br>37.5 12.6 5.9 4.3 8.7 10.9 12.9 12.9 12.9 12.0<br>37.5 12.6 5.9 4.3 8.3 4.0 6.7 11.9 6.7 253 12.0<br>37.5 12.6 5.9 4.3 8.3 1.9 1.9 1.9 5.0 5.0 11.9 12.0 12.0<br>37.5 12.6 5.9 4.3 8.3 1.9 1.9 1.9 5.0 5.0 11.9 12.0 12.0<br>37.5 12.6 5.9 4.3 8.3 1.9 1.9 1.9 5.0 5.0 11.9 6.0 12.0<br>37.6 13.8 28.5 11.9 1.9 1.9 1.9 5.0 5.0 11.9 6.0 12.0<br>23.8 28.5 7.8 1.0 1.9 1.9 7.0 5.0 11.9 5.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12   | 92 10 96   |       |   |       |             |      | -          |            |            |      |                |               |
| 100.001 24.002 25.005 2   | 16 CT 78   |       |   |       |             |      |            |            |            |      |                |               |
| \$5.0 24.0 6.0 2.0 4.0 4.0 4.0 4.0 4.0 35.0 5.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4  | 82 TO 86   | 100.0 |   |       |             |      |            |            |            |      | 2              | .2            |
| 25.0 24.0 5.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4  | 18 01 77   | 0.04  | 13.3                                    | 6.7   |             | 20.0 |            | 6.7        | 1393       |      | 15             | 1.2           |
| 33.3 16.2 14.1 5.3 3.3 8.7 5.4 11.5 14.0 1.3 13.7 3.5 1 13.5 14.0 1.3 13.7 3.5 1 13.5 14.0 1.3 13.7 3.5 1 13.5 14.0 1.3 13.7 3.6 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8   | 72 10 76   | 26.0  | 24.0                                    | 0.0   | 2.0         | 0.4  |            | 0.4        | 066        |      | 20             | 4.0           |
| 33.8 18.3 3.2 3.8 8.9 3.1 11.5 12.0 12.0 12.0 13.1 13.1 13.1 13.1 13.1 13.1 13.1 13  | 17 07 78   | 40.2  | 14.1                                    | 6.9   | 3.3         | 8.7  | 2.4        | 8.7        | 1300       | 9    | 76             | -             |
| 35.1 14.7 3.8 3.8 7.1 3.7 10.9 12.8 6.2 21.3 37.5 12.0 5.9 4.3 8.3 4.0 6.7 11.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.   | 62 TO 66   | 33.8  | 18.5                                    | 3.5   | 3.0         | 8    | 3.1        | 11.5       | 2000       |      | 157            | 12.7          |
| 37.5 12.6 5.9 4.3 8.3 4.0 0.7 11.9 12.0 13.3 3.0 13.0 13.0 13.0 13.0 13.0 13.  | 19 01 75   | 35.1  | 14.7                                    | 3.6   | 3.8         | 1.1  | 2.1        | 10.9       | 1208       |      | 1117           | 17.0          |
| 33.0 18.3 5.8 3.8 9.1 1.9 1.9 1.0 1.9 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0  | 52 TO 56   | 37.5  | 12.6                                    | 5.9   | 4.3         | 00   | 4.0        | 0.7        | 1100       |      | 253            | 20.4          |
| 23.6 23.6 23.6 23.6 23.6 23.6 23.6 23.6  | 47 TO S1   | 37.0  | 18.3                                    | 2.8   | 3.8         | 9.1  | 1.0        | 0.7        | 161        |      | 202            | 10.8          |
| 23.6.  | 42 TO 46   | 42.3  | 21.3                                    | 8.1   | 1.9         | 1.9  | 1.0        | 2.0        | 2.0        |      | 160            | 12.9          |
| 23. 8 28.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2   | 37 TO 41   | 33.6  | 53.5                                    | 11.8  | 1.5         | 1.5  | 1.3        | 4.4        | * .        |      | 99             |               |
|  | 32 TO 36   | 23.8  | 58.6                                    | 4.5   | 4.8         |      |            | 8.8        |            | 28.6 | 12             | -             |
|  | 27 TO 31   |       | 33.3                                    | 33.3  |             |      |            |            |            | 33.3 | c              | 7.            |
| 24<br>25<br>26<br>27<br>28<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29   | 22 TO 26   |       |   |       |             |      |            |            |            |      |                |               |
| 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4  | 17 TO 21   |       |   |       |             |      |            |            |            |      |                |               |
| 1  | 12 TO 16   |       |   |       |             |      |            |            |            |      |                |               |
| 1-4<br>-9-4<br>-9-5-29   | 7 10 11    |       |   |       |             |      |            |            |            |      |                |               |
| 24<br>25<br>26<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29   | 2 70 6     |       |   |       |             |      |            |            |            |      |                |               |
| 23<br>24<br>25<br>26<br>27<br>28<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29<br>29   | -3 TO 1    |       |   |       |             |      |            |            |            |      |                |               |
|  | -8 TO-4    |       |   |       |             |      |            |            |            |      |                |               |
|  | -13 TO -9  |       |   |       |             |      |            |            |            |      |                |               |
|  | -18 TO-14  |       |   |       |             |      |            |            |            |      |                |               |
|  | -23 TO-19  |       |   |       |             |      |            |            |            |      |                |               |
|  | -28 TO-24  |       |   |       |             |      |            |            |            |      |                |               |
|  | -33 TO-29  |       |   |       |             |      |            |            |            |      |                |               |
|  | -38 TO-34  |       |   |       |             |      |            |            |            |      |                |               |
|  | -43 TO-39  |       |   |       |             |      |            |            |            |      |                |               |
|  | -48 TO-44  |       |   |       |             |      |            |            |            |      |                |               |
|  | -53 TO-49  |       |   |       |             |      |            |            |            |      |                |               |
|  | -58 TO-54  |       |   |       |             |      |            |            |            |      |                |               |
|  | -59 & LWR  |       |   |       |             |      |            |            |            |      |                |               |

0

| OF AIR TEMPERATURE                      |    |
|---|----|
| PERCENTAGE FREQUENCY OF AIR TEMPERATURE | 3/ |

WIND DIRECTION

JAN 1973-DEC 1977

YUMA, ARIZUNA

23195 STATION

ALL

FEBRUARY

|            |               |                 |       |             | WIND DIRECTION | ECTION |            |            |       |                |               |
|------------|---------------|-----------------|-------|-------------|----------------|--------|------------|------------|-------|----------------|---------------|
| TEMP.      | ≯ z<br>z<br>z | NN.<br>N. N. E. | S ENE | ESE<br>& SE | SSE<br>& S     | \$ 5W  | wsw<br>8 w | www<br>www | CALM  | TOTAL<br>FREQ. | % OF<br>TOTAL |
| 122+       |               |                 |       |             |                |        |            |            |       |                |               |
| 117 TO 121 |               |                 |       |             |                |        |            |            |       |                |               |
| 112 TO 136 |               |                 |       |             |                |        |            |            |       |                |               |
| 107 TO 111 |               |                 |       |             |                |        |            |            |       |                |               |
| 102 TO 106 |               |                 |       |             |                |        |            |            |       |                |               |
| 97 TO 101  |               |                 |       |             |                |        |            |            |       |                |               |
| 92 10 96   |               |                 |       |             |                |        |            |            |       |                |               |
| 16 01 78   | 25.0          |                 | 25.0  |             |                | 25.0   |            | 23.0       |       | 4              | 4.            |
| 82 TO 86   | 27.8          | 20.0            |       |             |                | 5.6    |            |            | 3.6   | 18             | 1.0           |
| 18 07 77   | 31.4          |                 |       |             | 11.4           | 8.0    |            | 201        | 8.6   | 35             | 3.1           |
| 72 TO 76   | 25.6          |                 |       | 4.7         | 10.5           | 0.     |            | 11.66      |       | 98             | 1.0           |
| 17 07 79   | 23.2          |                 |       | 3.0         |                | 3.1    |            | 1500       | 3.1   | 135            | 12.0          |
| 62 TO 66   | 25.2          | 13.7            |       | 3.8         |                | 9.0    | 1          | 1007       | 3.9   | 185            | 10.4          |
| 57 TO 61   | 5.42          |                 | 3.3   | 8.9         | -              | 0.1    |            | 1101       | 6.9   | 180            | 16.0          |
| 52 TO 56   | 6.42          |                 |       | 9.9         |                | 3.0    | 1          | 100        | 14.0  | 502            | 18.2          |
| 47 TO 51   | 25.0          | 19.4            |       |             | 3.9            | 1.1    | 1          | *          | 25.22 | 180            | 10.0          |
| 42 TO 46   | 5.62          |                 | 2.8   | 7.5         |                | 4.2    | 10.0       | 4:7        | 20.0  | 69             | 1.3           |
| 37 TO 41   | \$112         | 1.1             | 1.1   |             |                |        |            |            | 37.01 | 1.4            | 1.2           |
| 32 10 36   |               |                 |       |             |                |        |            |            | 10000 | -              |               |
| 27 TO 31   |               |                 |       |             |                |        |            |            |       |                |               |
| 22 TO 26   |               |                 |       |             |                |        |            |            |       |                |               |
| 17 TO 21   |               |                 |       |             |                |        |            |            |       |                |               |
| 12 TO 16   |               |                 |       |             |                |        |            |            |       |                |               |
| 7 TO 11    |               |                 |       |             |                |        |            |            |       |                |               |
| 2 10 6     |               |                 |       |             |                |        |            |            |       |                |               |
| -3 10 1    |               |                 |       |             |                |        |            |            |       |                |               |
| -8 10-4    |               |                 |       |             |                |        |            |            |       |                |               |
| -13 TO -9  |               |                 |       |             |                |        |            |            |       |                |               |
| -18 10-14  |               |                 |       |             |                |        |            |            |       |                |               |
| -23 TO-19  |               |                 |       |             |                |        |            |            |       |                |               |
| -28 10-24  |               |                 |       |             |                |        |            |            |       |                |               |
|            |               |                 |       |             |                |        |            |            |       |                |               |

NAVWEASERVCOM -53 TO-49 -58 TO-54 -59 & LWR TOTALS

0

1120 100.0

11.0

5.0 12.9 10;0

4.8

6.4

9

15.9

25.0

-38 TO-34 -43 TO-39

-48 TO-44

-33 TO-29

EVET

| JRE                                     |     |
|---|-----|
| ERATI                                   |     |
| TEMP                                    |     |
| AIR                                     |     |
| OF                                      |     |
| FREQUENCY                               | 3/1 |
| PERCENTAGE FREQUENCY OF AIR TEMPERATURE |     |

YUMA, ARIZONA

23199 STATION

WIND DIRECTION JAN 1973-DEC 1977

ALL

MARCH

|            |       |      | 1    |      | 1    | -    | -    | -     |      |       |            |
|------------|-------|------|------|------|------|------|------|-------|------|-------|------------|
| TEMP.      | NNN . | NNE  | ENE  | ESE  | SSE  | wss  | wsw  | MNW.  | CALM | TOTAL | % OF       |
|            | Z     | N NE | 8 2  | & SE | 6.5  | w sw | A 8  | NZ N  | 1    | - KEO | IOIAL      |
| 122+       |       |      |      |      |      |      |      |       |      |       |            |
| 121 01 211 |       |      |      |      |      |      |      |       |      |       |            |
| 112 TO 116 |       |      |      |      |      |      |      |       |      |       |            |
| 111 07 701 |       |      |      |      |      |      |      |       |      | 7     |            |
| 102 TO 106 |       |      |      |      |      |      |      |       |      |       |            |
| 101 01 26  |       |      |      |      |      |      |      |       |      |       |            |
| 92 TO 96   |       |      |      |      |      |      |      |       |      |       |            |
| 16 01 78   | 12.5  | _    |      |      | 20.0 |      | 12.5 | 12.5  |      | 30    | •          |
| 82 TO 86   | 14.3  |      |      |      | 3.7  | 14.3 | 40.0 | 14.3  | 5.9  | 35    | 2.         |
| 18 01 77   | 15.3  | 6.5  | 1.7  | 6.8  | 10.2 | 20.3 | 30.5 | 100   |      | 86    | 4.8        |
| 72 TO 76   | 21.1  |      | . 8  | 2.3  | 17.3 | 18.0 | 10   | 0.6   |      | 133   | 10.7       |
| 17 07 79   | 11.3  |      | 3.8  | 3.3  | 14.5 | 8.8  |      | 12:6  |      | 159   | 12.        |
| 62 TO 66   | 13.8  |      | 2.5  | 6.4  | 19.2 | 12.3 |      | 8 7   | 3.9  | 503   | 16.        |
| 57 TO 61   | 16.6  |      | 3.8  | 7.1  |      | 8.1  |      | 1393  | 11.4 | 1112  | 17.0       |
| 52 TO 56   | 12.7  |      | 5.7  | 5.3  | 12.7 | 5.3  |      | 17,66 | 14.3 | 542   | 19.8       |
| 47 TO 51   | 15.9  |      | 5.5  | 6.4  | 15.2 | 9.0  |      | 1204  | 10.3 | 145   | 11:1       |
| 42 TO 46   | 17.9  | 17.9 | 12.8 |      | 15.4 | 1.7  |      |       | 12.8 | 36    | 3.1        |
| 37 TO 41   |       |      |      |      | 33.3 | 33.3 |      |       | 33.3 | 6     | .2         |
| 32 TO 36   |       |      |      |      |      |      |      |       |      |       |            |
| 27 TO 31   |       |      |      |      |      |      |      |       |      |       |            |
| 22 TO 26   |       |      |      |      |      |      |      |       |      |       |            |
| 17 TO 21   |       |      |      |      |      |      |      |       |      |       |            |
| 12 TO 16   |       |      |      |      |      |      |      |       |      |       |            |
| 7 10 11    |       |      |      |      |      |      |      |       |      |       |            |
| 2 70 6     |       |      |      |      |      |      |      |       |      |       |            |
| -3 TO 1    |       |      |      |      |      |      |      |       |      |       |            |
| -8 TO-4    |       |      |      |      |      |      |      |       |      |       |            |
| -13 TO -9  |       |      |      |      |      |      |      |       |      |       |            |
| -18 TO-14  |       |      |      |      |      |      |      |       |      |       |            |
| -23 TO-19  |       |      |      |      |      |      |      |       |      |       |            |
| -28 TO-24  |       |      |      |      |      |      |      |       |      |       |            |
| -33 TO-29  |       |      |      |      |      |      |      |       |      |       |            |
| -38 TO-34  |       |      |      |      |      |      |      |       |      |       |            |
| -43 TO-39  |       |      |      |      |      |      |      |       |      |       |            |
| -48 10-44  |       |      |      |      |      |      |      |       |      |       |            |
| -53 TO-49  |       |      |      |      |      |      |      |       |      |       |            |
| -58 TO-54  |       |      |      |      |      |      |      |       |      |       |            |
| -59 & LWR  |       |      |      |      |      |      |      |       |      |       |            |
| TOTALS     | 14.9  | 7.5  | 4.0  | 4.5  | 14.1 | 10.2 | 23.5 | 4627  | 1.8  | 1440  | 1240 100.0 |

0 0 0 0 0

0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

YUMA, ARIZONA

23195 STATION

JAN 1973-DEC 1977

APRIL

ALL

| STATION NAME | YEARS        | MONTH |
|--------------|--------------|-------|
|              |              |       |
|              | TOTAL CITIES |       |

|            |       |           |       |             | "IND DINECTION | 2010        | -          |      |      |                |               |
|------------|-------|-----------|-------|-------------|----------------|-------------|------------|------|------|----------------|---------------|
| TEMP.      | 3 Z X | NNE<br>NE | S ENE | ESE<br>& SE | SSE<br>& S     | SSW<br>8 SW | wsw<br>w & | WN W | CALM | TOTAL<br>FREQ. | % OF<br>TOTAL |
| 122+       |       |           |       |             |                |             |            |      |      |                |               |
| 117 TO 121 |       |           |       |             |                |             |            |      |      |                |               |
| 112 TO 116 |       |           |       |             |                |             |            |      |      |                |               |
| 107 TO 111 |       |           |       |             |                |             |            |      |      |                |               |
| 102 TO 106 |       |           |       |             |                |             |            |      |      |                |               |
| 97 TO 101  |       |           |       |             | 33.3           |             | 66.7       |      |      | 3              |               |
| 92 10 96   | 6.5   |           |       |             | 18.2           | 31.8        | 40.9       | 600  |      | 22             |               |
| 16 07 78   | 7.2   | 4.3       | 5.9   | 1.4         | 21.7           | 24.6        | 31.9       | 208  |      | 69             | 5.8           |
| 82 TO 86   | 13.6  | 5.5       | 2.1   | 3.0         | 14.5           | 21.8        | 28.2       | 9.0  | 3.0  | 110            |               |
| 18 01 77   | 16.9  | 3.1       | 3.1   | 1.5         | 16.2           | 1.5.1       | 30.0       | 10.0 | 1.5  | 130            |               |
| 72 TO 76   | 12.4  | 2.6       | 1.3   | 4.0         | 13.7           | 11.8        | 2.2.0      | 1961 | 3.9  | 153            |               |
| 17 07 79   | 12.4  | 6.        | 2.8   | 2.9         | 10.4           | 13.0        | 5 . 62     | 600  |      | 177            |               |
| 62 TO 66   | 2.6   | 0.0       | 1.0   | 5.1         | 6.8            | 4.6         | 18.9       | 1398 |      | 190            |               |
| 57 TO 61   | 15.6  | 6.1       | 1:1   | 0.6         | 11.1           | 2.4         | 9.02       | 17.8 |      | 180            |               |
| 52 TO 56   | 8.3   | 2.6       | 10.1  | 3.1         | 1001           | 3.7         | 32.1       | 216  | 13.8 | 100            |               |
| 47 TO S1   | 1.0   | 0.        | 0.    | 2.3         | 11.6           | 16.3        | 34.9       | 243  | 11.0 | 43             |               |
| 42 TO 46   |       |           | 12.5  | 25.0        | 37.5           |             | 12.5       |      | 12.5 | 9              |               |
| 37 TO 41   |       |           |       |             |                |             |            |      |      |                |               |
| 32 TO 36   |       |           |       |             |                |             |            |      |      |                |               |
| 27 TO 31   |       |           |       |             |                |             |            |      |      |                |               |
| 22 TO 26   |       |           |       |             |                |             |            |      |      |                |               |
| 17 TO 21   |       |           |       |             |                |             |            |      |      |                |               |
| 12 TO 16   |       |           |       |             |                |             |            |      |      |                |               |
| 7 TO 11    |       |           |       |             |                |             |            |      |      |                |               |
| 2 TO 6     |       |           |       |             |                |             |            |      |      |                |               |
| -3 TO 1    |       |           |       |             |                |             |            |      |      |                |               |
| -8 TO-4    |       |           |       |             |                |             |            |      |      |                |               |
| -13 TO -9  |       |           |       |             |                |             |            |      |      |                |               |
| -18 TO-14  |       |           |       |             |                |             |            |      |      |                |               |
| -23 TO-19  |       |           |       |             |                |             |            |      |      |                |               |
| -28 10-24  |       |           |       |             |                |             |            |      |      |                |               |
| -33 TO-29  |       |           |       |             |                |             |            |      |      |                |               |
| -38 TO-34  |       |           |       |             |                |             |            |      |      |                |               |
| -43 TO-39  |       |           |       |             |                |             |            |      |      |                |               |
| -48 TO-44  |       |           |       |             |                |             |            |      |      |                |               |
| -53 TO-49  |       |           |       |             |                |             |            |      |      |                |               |
| -58 TO-54  |       |           |       |             |                |             |            |      |      |                |               |
| -59 & LWR  |       | -         | •     | •           |                |             | -          |      | -    | 1300           | 200           |
| TOTALS     | 9 17  | 0         | 4.03  |             | 73.0           |             | 0.03       | 344  | 200  | 3004           | ***           |

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| PERCENTAGE FREQUENCY OF AIR TEMPERATURE |     |
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| -REQUENCY (                             | VS. |
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| PERCENTA                                |     |

WIND DIRECTION JAN 1973-DEC 1977

YUMA, ARIZONA

23195 STATION

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|            |       |       |      |             | WIND DIRECTION |             |          |       |       |                |            |
|------------|-------|-------|------|-------------|----------------|-------------|----------|-------|-------|----------------|------------|
| TEMP.      | 3 z z | N N N | S S  | ESE<br>& SE | SSE<br>Se S    | SSW<br>S SW | wsw<br>% | WN W  | CALM  | TOTAL<br>FREG. | % OF       |
| 122+       |       |       |      |             |                |             |          |       |       |                |            |
| 117 TO 121 |       |       |      |             |                |             |          |       |       |                |            |
| 112 TO 116 |       |       |      |             |                |             |          |       |       |                |            |
| 107 701    |       |       |      |             |                | 20.0        | 20,0     |       |       | 7              | 7.         |
| 102 TO 106 | 9.6   |       | 14.3 | 4.3         | 19.0           | 9.5         | 38.1     | 8     |       | 21             | 1.7        |
| 101 01 76  | 6.9   | 3.3   | 3.3  |             | 37.7           | 19.7        | 21.3     | 9.0   | 1.6   | 19             | 6.4        |
| 92 10 96   | 5.0   | 2.0   | 2.0  |             | 24.8           | 24.8        | 34.7     | 200   |       | 101            |            |
| 16 01 78   | 3.3   | 2.7   | 2.7  |             | 35.3           | 22.7        | 26.0     | 393   |       | 150            |            |
| 82 70 86   | 4.4   | 2.4   | 7.6  | 4.7         | 26.0           | 25.2        | 26.8     | 6 . 9 | 5.4   | 121            |            |
| 18 07 77   | 4.1   | 2.3   | 2.3  |             | 28.5           | 14.0        | 23.3     | 6.6   | 7.0   | 172            | 13.9       |
| 72 10 76   | 3.3   | 2.3   | 1.4  |             |                | 13.1        | 21.5     | 60    | 4.5   | 412            |            |
| 17 07 79   | 6.3   | 2.3   | 3.4  | 12.6        |                | 8.6         | 10.1     | 61    | 7.4.7 | 174            | 14.0       |
| 62 TO 66   | 7.1   | 8.4   | 4.8  | 9.5         |                | 4.8         | 18.3     | 9667  |       | 126            |            |
| 19 01 75   | 5.7   | 5.7   | 4.3  | 5.7         | =              | 7.          | 25.7     | 2403  |       | 10             | 2.6        |
| 52 TO 56   | 4.5   |       | 4.5  |             | 4.5            | 22.7        | 31.8     | 2207  |       | 22             | 1.8        |
| 47 TO S1   |       |       |      |             |                |             |          |       |       |                |            |
| 42 TO 46   |       |       |      |             |                |             |          |       |       |                |            |
| 37 TO 41   |       |       |      |             |                |             |          |       |       |                |            |
| 32 TO 36   |       |       |      |             |                |             |          |       |       |                |            |
| 27 TO 31   |       |       |      |             |                |             |          |       |       |                |            |
| 22 TO 26   |       |       |      |             |                |             |          |       |       |                |            |
| 17 10 21   |       |       |      |             |                |             |          |       |       |                |            |
| 12 70 16   |       |       |      |             |                |             |          |       |       |                |            |
| 7 10 11    |       |       |      |             |                |             |          |       |       |                |            |
| 2 70 6     |       |       |      |             |                |             |          |       |       |                |            |
| -3 TO 1    |       |       |      |             |                |             |          |       |       |                |            |
| -8 TO-4    |       |       |      |             |                |             |          |       |       |                |            |
| -13 TO -9  |       |       |      |             |                |             |          |       |       |                |            |
| -18 TO-14  |       |       |      |             |                |             |          |       |       |                |            |
| -23 TO-19  |       |       |      |             |                |             |          |       |       |                |            |
| -28 TO-24  |       |       |      |             |                |             |          |       |       |                |            |
| -33 TO-29  |       |       |      |             |                |             |          |       |       |                |            |
| -38 TO-34  |       |       |      |             |                |             |          |       |       |                |            |
| -43 TO-39  |       |       |      |             |                |             |          |       |       |                |            |
| -48 TO-44  |       |       |      |             |                |             |          |       |       |                |            |
| -53 TO-49  |       |       |      |             |                |             |          |       |       |                |            |
| 58 TO-54   |       |       |      |             |                |             |          |       |       |                |            |
| -59 & LWR  |       |       |      |             |                | 1           |          | - 1   | 1     |                |            |
| TOTALS     | 4.8   | 1.7   | 4.2  | 6.0         | 2007           | 13.         | 23.0     | 000   | 0     | 7647           | 1640 100.0 |

| PERCENTAGE FREQUENCY OF AIR TEMPERATURE |     |
|---|-----|
| AIR                                     |     |
| P                                       |     |
| FREQUENCY                               | 3/1 |
| RCENTAGE                                |     |
| PE                                      |     |

VS. WIND DIRECTION

JAN 1973-DEC 1977

YUMA, ARIZONA

23195 STATION

CUNE

ALL HOURS (L.S.T.)

|        |      |      |       | -    | TIND DIRECTION | 2010  |      |      |      |       |       |
|--------|------|------|-------|------|----------------|-------|------|------|------|-------|-------|
| 97     | MNN  | ZNZ  | ENE   | ESE  | SSE            | SSW   | wsw  | WNW  | CALM | TOTAL | % OF  |
|        | Z •6 | & NE | 3 & E | & SE | 8.5            | & SW  | 8 W  | NZ & |      | FREQ. | TOTAL |
| 22 +   |      |      |       |      |                |       |      |      |      |       |       |
| 12101  |      |      |       |      |                |       |      |      |      |       |       |
| 10 116 |      |      |       |      | 5.0            | 35.3  | 47.1 | 11.8 |      | 17    | 1.4   |
| 11101  | 1.6  | 3.2  |       | 4.8  | 22.6           | 29.0  | 37.1 | 106  |      | 79    | 5.2   |
| 10 106 | 7.0  | 3.5  |       | 6.   | 25.4           | 10.4  | 35.1 | 100  |      | 114   | 9.5   |
| 101 0  | 1.6  | 1.3  | 9.    | 3.2  | 26.6           | 26.6  | 29.1 | 106  |      | 156   | 13.2  |
| 96 01  | 7.6  |      | 1.5   | 3.8  | 32.1           | 22.1  | 23.7 | 8.6  |      | 131   | 10.9  |
| 16 01  | 3.2  | 3.7  | 1.1   | 0.8  | 50.0           | 15.0  | 1.42 | 1002 |      |       | 15.6  |
| 98 01  | 2.3  | 1.0  | 2.3   | 5.3  | 48.5           | 11.1  | 10.4 | 190  |      |       | 14.3  |
| 18 01  | 6.9  | 6.2  | 0.4   | 12.7 | 37.0           | 7.5   | 12.7 | * 60 |      |       | 14.4  |
| 10 76  | 8.3  | 9.0  | 3.3   | 15.0 | 27.5           | 10.0  | 13.3 | 3.8  |      | -     | 10.0  |
| 17 07  | 9.6  | 3.8  | 11.5  | 1.9  | 34.6           | 1.9   | 13.5 | 308  |      | 26    | 4.3   |
| 10 66  | 14.3 | 14.3 | 1.1   | 1.   |                |       | 14.3 | 6124 |      | 14    | 1.2   |
| 19 01  |      |      |       |      |                | 100.0 |      |      |      | 1     | 7:    |
| 95 01  |      |      |       |      |                |       |      |      |      |       |       |
| 10 51  |      |      |       |      |                |       |      |      |      |       |       |
| 10 46  |      |      |       |      |                |       |      |      |      |       |       |
| 10 41  |      |      |       |      |                |       |      |      |      |       |       |
| 10 36  |      |      |       |      |                |       |      |      |      |       |       |
| 10 31  |      |      |       |      |                |       |      |      |      |       |       |
| 10 26  |      |      |       |      |                |       |      |      |      |       |       |
| 10 21  |      |      |       |      |                |       |      |      |      |       |       |
| 91 0   |      |      |       |      |                |       |      |      |      |       |       |
| 11 0   |      |      |       |      |                |       |      |      |      |       |       |
| 90     |      |      |       |      |                |       |      |      |      |       |       |
| 101    |      |      |       |      |                |       |      |      |      |       |       |
| 10-4   |      |      |       |      |                |       |      |      |      |       |       |
| 4- OT  |      |      |       |      |                |       |      |      |      |       |       |
| TO-14  |      |      |       |      |                |       |      |      |      |       |       |
| 10-19  |      |      |       |      |                |       |      |      |      |       |       |
| 10-24  |      |      |       |      |                |       |      |      |      |       |       |
| 10-29  |      |      |       |      |                |       |      |      |      |       |       |
| 10-34  |      |      |       |      |                |       |      |      |      |       |       |
| 10-39  |      |      |       |      |                |       |      |      |      |       |       |
| 10-44  |      |      |       |      |                |       |      |      |      |       |       |
| 10-49  |      |      |       |      |                |       |      |      |      |       |       |
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-58 TO-54 -59 & LWR TOTALS

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

STATION NAME

YUMA, ARIZONA

23195

JAN 1973-DEC 1977

MONTH

HOURS (L.S.T.) ALL

15.4 21.0 1.0 1240 100.0 % OF TOTAL 167 TOTAL FREG. 10.01 2.7 CALM 2 . 8 N N N 20.02 13.3 wsw w w 14.0 11.0000 6.6 SSW & SW WIND DIRECTION 45.2 20.02 SSE & S 14.9 10.5 10.5 29.9 28.9 ESE & SE 25.0 200000 5.9 EN S 0 0 0 0 0 2.3 10.0 NNE NE 0 50 10.01 1.9 3.3 3 Z -33 TO-29 -59 & LWR -18 TO-14 -23 10-19 -28 10-24 -38 10-34 -43 TO-39 -48 TO-44 -53 TO-49 -58 TO-54 111 07 701 101 01 76 72 10 76 52 TO 56 37 TO 41 27 10 31 22 TO 26 -8 10-4 -13 TO -9 17 10 121 112 70 116 102 TO 106 18 01 77 17 07 79 62 70 66 47 10 51 42 TO 46 32 10 36 17 10 21 95 10 96 87 TO 9i 82 TO 86 57 TO 61 -3 70 1 12 TO 16 TEMP. 11 01 2 10 6 122+

NAVWEASERVCOM

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| AIR TEMP                                |    |
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| PERCENTAGE FREQUENCY OF AIR TEMPERATURE |    |
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WIND DIRECTION

JAN 1973-DEC 1977

YUMA, ARIZONA

23195 STATION

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TEMP. 122+

HOURS (L.S.T.) ALL

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|                | % OF<br>TOTAL | -:    | 6.4  | 13.2 | 15.2 | 15.2 | 17.6 | 20.6 | 6.6  | 3.1  | . 3  |
|----------------|---------------|-------|------|------|------|------|------|------|------|------|------|
|                | TOTAL %       | -     | 19   | 194  | 188  | 188  | 218  |      | 123  | 38   |      |
|                | CALM          |       |      | 5.4  | ::   | 7:1  | 3.5  | 0.0  | 13.0 | 13.8 | 50.0 |
|                | www<br>8 nw   |       | 1.66 | 967  | 200  | 201  | 315  | 6.9  | 9607 | 100  |      |
|                | wsw<br>8 w    | 100.0 | 44.3 | 32.3 | 26.1 | 22.3 | 16.5 | 7.6  | 8.8  | 15.8 | 25.0 |
| CTION          | \$ 5W         |       | 54.6 | 23.2 | 21.8 | 17.0 | 14.7 | 8.2  | 3.7  | 6.   | -    |
| WIND DIRECTION | \$5 E         |       | 26.2 | 34.1 | 38.3 | 41.5 | 35.3 | 36.1 | 22.8 | 13.2 |      |
| 3              | £ 5£          |       |      | 1.08 | 2.7  | 8    | 1001 | 9.61 | 11.6 | 5.3  |      |
|                | S ENE         |       |      | 5.4  | 1.1  | 1.1  | 3.2  | 5.1  | 5.4  | 1.9  | -    |
|                | S NE          |       |      |      | 1:1  | 2.7  | 3.2  | 106  | 8.1  | 1.9  |      |
|                |               | ++-   | .3   | 2.   | 7.   |      | .3   | . 5  |      | 6.   | C    |

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| 1.1 | 1.1 | 3.2 | 5.1 | 5.4 | 1.9 |   |   |     |  |  |  |
| 1.1 | 2.7 | 3.2 | 3.1 | 8.1 | 1.9 |   |   |     |  |  |  |
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| 10 46 | 10 41 | 10 36 | 10 31 | 10 26 | 10 21 | 91 0. | 11 0 | 90 | 101 |  |
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|---------|--------|---------|---------|-----------|-----------|-----------|------------|

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| -8 TO-4 | -13 TO9 | -18 TO-14 | -23 TO-19 | -28 TO-24 | -33 TO-29 | -38 TO-34 |  |
|---------|---------|-----------|-----------|-----------|-----------|-----------|--|

| -8 10-4 | -13 TO -9 | -18 TO-14 | -23 TO-19 | -28 TO-24 | -33 TO-29 | -38 TO-34 | -43 TO-39 |  |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|

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| -8 10-4 | -13 TO -9 | -18 TO-14 | -23 TO-19 | -28 TO-24 | -33 TO-29 | -38 TO-34 | -43 TO-39 | 48 70 44 |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
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0.4 NAVWEASERVCOM -58 TO-54 -59 & LWR TOTALS

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-53 TO-49

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| E FREQUENCY OF AIR TEMPERATURE |    |
|--------------------------------|----|
| AR                             |    |
| OF                             |    |
| FREQUENCY                      | Ne |
| PERCENTAGE                     |    |
|                                |    |

VS. WIND DIRECTION

YUMA, ARIZONA

23195 STATION

ALL

SEPTEMBER

JAN 1973-DEC 1977

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|            |            |       |            |             | TIND DIRECTION | 2017        |           |       |      |                |               |
|------------|------------|-------|------------|-------------|----------------|-------------|-----------|-------|------|----------------|---------------|
| TEMP.      | N Z<br>N ≪ | N N N | ENE<br>S E | ESE<br>& SE | SSE<br>& S     | SSW<br>S SW | wsw<br>** | ××× • | CALM | TOTAL<br>FREG. | % OF<br>TOTAL |
| 122+       |            |       |            |             |                |             |           |       |      |                |               |
| 117 TO 121 |            |       |            |             |                |             |           |       |      |                |               |
| 112 TO 116 |            |       |            |             |                |             |           |       |      |                |               |
| 111 07 701 |            |       |            | 11.1        | 11.1           | 25.2        | 55.6      |       |      | 6              | .8            |
| 102 TO 106 | 6.1        |       |            | 2.0         | 32.7           | 54.5        | 30.6      | 100   |      |                |               |
| 101 01 76  | 0.4        |       | 5.4        | 4.0         | 28.6           | 16.7        | 32.5      | 3,2   |      | 7              |               |
| 92 10 96   | 1001       |       | 6.2        | 7.3         | 28.7           | 16.3        | 19.7      | 201   | 9.   | 178            |               |
| 16 01 78   | 3.1        | 6.9   | 7.3        | 7.8         | 32.8           | 13.0        | 18.8      | 205   | 5.7  | 761            |               |
| 82 TO 86   | 6.7        | 4.0   | 5.8        | 16.5        | 28.6           | 10.3        | 10.7      | 204   | 6.7  | 727            |               |
| 17 10 81   | 8.4        | 14.8  | 10.3       | 16.7        | 16.7           | 6.4         | 9.9       | 8.9   | 12.8 | 203            |               |
| 72 TO 76   | 17.7       | 15.9  | 6.7        | 4.9         | 14.6           | 6.1         | 6.4       | 6 6 2 | 16.5 | 164            | 13.7          |
| 17 07 79   | 23.1       | 21.2  | 3.8        | 1.9         | 11.3           | 3.8         | 1.9       | 308   |      | 26             | 4.3           |
| 62 TO 66   |            |       |            |             |                |             |           | 5393  |      | 3              | 6.            |
| 19 07 75   |            |       |            |             |                |             |           |       |      |                |               |
| 52 70 56   |            |       |            |             |                |             |           |       |      |                |               |
| 12 07 74   |            |       |            |             |                |             |           |       |      |                |               |
| 42 TO 46   |            |       |            |             |                |             |           |       |      |                |               |
| 37 TO 41   |            |       |            |             |                |             |           |       |      |                |               |
| 32 TO 36   |            |       |            |             |                |             |           |       |      |                |               |
| 27 TO 31   |            |       |            |             |                |             |           |       |      |                |               |
| 22 10 26   |            |       |            |             |                |             |           |       |      |                |               |
| 17 10 21   |            |       |            |             |                |             |           |       |      |                |               |
| 12 TO 16   |            |       |            |             |                |             |           |       |      |                |               |
| 7 70 11    |            |       |            |             |                |             |           |       |      |                |               |
| 2 70 6     |            |       |            |             |                |             |           |       |      |                |               |
| -3 TO 1    |            |       |            |             |                |             |           |       |      |                |               |
| -8 10-4    |            |       |            |             |                |             |           |       |      |                |               |
| -13 TO -9  |            |       |            |             |                |             |           |       |      |                |               |
| -18 TO-14  |            |       |            |             |                |             |           |       |      |                |               |
| -23 TO-19  |            |       |            |             |                |             |           |       |      |                |               |
| -28 10-24  |            |       |            |             |                |             |           |       |      |                |               |
| -33 10-29  |            |       |            |             |                |             |           |       |      |                |               |
| -38 TO-34  |            |       |            |             |                |             |           |       |      |                |               |
| -43 TO-39  |            |       |            |             |                |             |           |       |      |                |               |
| -48 10-44  |            |       |            |             |                |             |           |       |      |                |               |
| -53 10-49  |            |       |            |             |                |             |           |       |      |                |               |
| -58 70-54  |            |       |            |             |                |             |           |       |      |                |               |
| -59 & LWR  |            | 1     | -          |             |                |             |           |       |      |                |               |
| TOTALS     | 9.0        | 1001  | **0        | 10.0        | 24.0           | 1106        | 9         | 000   | 7 0  |                | 0.001 0091    |

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

JAN 1973-DEC 1977

YUMA, ARIZONA

23195 STATION

OCTOBER

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| 20.0 4.0 4.0 50.0 24.0 84.0 25.1 20.0 4.0 4.0 4.0 12.0 24.0 84.0 12.0 24.0 84.0 12.0 24.0 84.0 12.0 24.0 84.0 12.0 24.0 84.0 12.0 24.0 84.0 12.0 24.0 84.0 12.0 24.0 84.0 12.0 24.0 84.0 12.0 24.0 84.0 12.0 24.0 84.0 12.0 24.0 84.0 12.0 24.0 12.0 24.0 12.0 24.0 12.0 24.0 12.0 24.0 12.0 24.0 12.0 24.0 12.0 24.0 12.0 24.0 12.0 24.0 12.0 24.0 12.0 24.0 12.0 24.0 12.0 24.0 12.0 24.0 12.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 2   | 20.0 4.0 50.0 24.0 84.0 12.0 24.0 84.0 11.2 12.0 24.0 84.0 12.0 24.0 84.0 12.0 24.0 84.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12   | MNN  | a z | ENE  |      | SSE SSW | SSW  | wsw  | www   | CALM | TOTAL | % OF |
|---|--|------|-----|------|------|---------|------|------|-------|------|-------|------|
| 20.0 4.0 12.0 24.0 8.0 1.1 8.4 11.2 12.2 12.2 12.2 12.2 12.2 12.2 12  | 20.0 4.0 4.0 12.0 24.0 890 11.2 4.5 15.7 6.7 24.7 590 11.2 4.5 15.7 10.8 14.5 19.7 10.2 12.1 15.5 5.8 8.7 892 10.2 12.1 15.5 5.8 8.7 892 10.2 12.1 15.5 5.8 8.7 892 14.3 3.6 10.3 2.0 14.1 094 14.3 3.6 7.1 2.0 4.8 15.2 094 14.3 3.6 7.1 2.0 14.1 094 18.1 12.1 12.1 0.9 15.4 795   | & NE |     | 8 8  | & SE | 8.5     | & sw | % %  | WN &  | CALM | FREO. |      |
| 20.0 4.0 4.0 12.0 24.0 4.0 11.2 4.0 12.0 24.0 24.0 24.0 11.2 4.0 12.0 24.0 24.0 24.0 24.0 24.0 24.0 24.0 2  | 20.0 4.0 50.0 24.0 84.0 11.2 4.5 15.7 24.7 24.7 24.7 24.7 24.7 24.7 24.7 24  |      |     |      |      |         |      |      |       |      |       |      |
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| 10.2   4.0   12.0   24.0   8.0   10.1   10.2   10  | 20.0 4.0 12.0 24.0 8.0 11.2 11.2 4.5 15.7 5.1 19.7 10.8 14.5 14.7 10.8 14.5 14.7 10.8 14.5 14.7 10.8 14.5 14.7 10.8 14.5 14.7 10.2 14.1 12.1 15.5 5.3 8.7 7.1 14.3 14.2 14.3 14.2 14.3 14.2 14.3 14.2 14.3 14.2 14.3 14.2 14.3 14.3 14.3 14.3 14.3 14.3 14.3 14.3  |      | 1   |      |      | 20.0    | 20.0 | 1    |       |      | 2     | .2   |
| 11.2 4.5 15.7 6.7 24.7 24.8 19.1 889 7.7 5.0 12.0 6.0 14.3 17.4 6.3 11.7 10.2 12.1 12.2 12.3 13.9 9.2 14.1 20.0 7.6 3.2 7.0 6.0 13.9 9.0 14.1 20.0 20.0 7.1 2.0 14.1 2.0 14.1 20.0 20.0 7.1 2.0 14.1 2.0 14.1 20.0 20.0 7.1 2.0 14.1 | 11.2 4.5 13.7 5.7 24.7 10.8 14.5 10.7 10.8 14.5 10.5 10.5 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8  | 10   | 0   | 20.0 | 0.4  | 0.0     | 12.0 |      | 0 .0  |      | 25    | 2.0  |
| 7.7 5.1 19.7 10.8 14.5 1.7 4.3 1.7 7.7 5.0 12.8 13.2 1.0 1.2 1.0 1.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0  | 7.7 5.1 19.7 10.8 14.5 19.7 10.8 15.0 19.5 15.0 10.5 12.5 5.3 17.2 11.2 18.3 11.2 10.2 15.2 10.2 15.2 7.0 4.4 13.5 7.0 15.3 10.3 2.0 15.1 0.4 15.2 7.0 15.1 0.4 15.2 7.0 15.1 0.4 15.2 7.0 15.1 0.4 15.2 7.0 15.1 0.4 15.2 7.0 15.1 0.4 15.2 7.0 15.1 0.4 15.2 7.0 15.1 0.4 15.2 7.0 15.1 0.4 7.1 0.4 15.4 7.0 15.4 7 | 6    | 0   | 11.2 | 4.5  | 15.7    | 6.7  |      | 206   | 1.1  | 88    | 7.2  |
| 7.7 5.3 17.2 11.2 18.3 11.2 16.3 11.2 16.3 11.2 16.3 11.2 16.3 11.2 16.3 11.2 16.3 11.2 16.3 11.2 16.3 11.2 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3   | 5.0 10.6 12.6 6.6 21.3 791 7.7 5.3 17.2 11.2 18.3 1192 7.8 3.2 7.0 6.8 13.3 798 3.8 3.6 7.1 7.1 7.1 094 14.3 3.6 7.1 7.1 7.1 094  20.0 7.1 7.1 7.1 094  8.1 6.1 12.1 0.9 15.4 795  | 17.  | -   | 1.1  | 5.1  | 19.7    | 10.3 |      | 117   | 6.4  | 111   | 4.6  |
| 7.7 5.3 17.2 11.2 18.3 11.2 10.1 10.2 10.2 10.2 10.2 10.2 10.2  | 10.2 12.1 15.5 5.3 17.2 10.3 10.2 10.2 10.2 10.2 10.2 10.3 10.3 10.3 10.3 10.3 10.3 10.3 10.3  | 15.  | 0   | 2.0  | 10.6 | 12.8    | 0.0  |      | 16.   | 9.9  | 191   | 11.4 |
| 10.2 12.1 15.5 5.3 8.7 9;2 14.1 500 7.2 3.2 5.0 6.6 13.5 8;6 14.0 522 8.8 3.8 10.3 2.0 14.1 0;4 28.2 78 20.0 20.0 7.1 2.0 14.1 20.0 3 20.0 3.6 7.1 2.0 17.1 20.0 3  | 16.2 12.1 15.5 5.3 6.7 7.2 7.6 5.8 13.9 6.6 13.9 6.6 13.9 6.6 13.9 6.6 13.9 6.6 13.9 6.6 13.9 6.6 13.0 6.6 13.9 6.6 13.0 6.0 6.0 6.0 13.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6  |      | -   | 7.7  | 5.3  | 17.2    | 11.2 |      | 1102  | 6.9  | 169   | 13.6 |
| 22  | 14.3 3.6 7.0 6.8 13.9 8.6 14.1 6.4 15.2 7.0 4.4 15.2 7.0 4.4 15.2 7.0 6.4 15.0 7.1 6.4 15.0 7.0 7.0 6.4 15.0 7.0 6.4 15.0 7.0 6.4 15.0 7.0 6.4 15.0 7.0 6.4 15.0 7.0 6.4 15.0 7.0 6.4 15.0 7.0 6.4 15.0 7.0 6.4 15.0 7.0 6.4 15.0 7.0 6.4 15.0 7.0 6.4 15.0 7.0 6.4 15.0 7.0 6.4 15.0 7.0 6.4 15.0 7.0 6.4 15.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7  |      | -   | 10.2 | 12.1 | 15.5    | 5.3  | 8.7  | 216   | 1.61 | 500   | 10.0 |
| 20°0 2  | 14-3 3-6 7-1 7-1 6-4 19-2 7-9 8-1 15-1 6-4 19-2 7-9 15-4 14-1 6-4 19-2 7-9 15-4 7-9  |      | -   | 7.2  | 3.2  | 2.0     | 9.0  | 13.5 | 9 6 9 | 0.01 | 222   | 6.11 |
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| 20°02   | 20.02  |      |     | 3.8  | 3.6  | 10.3    | 5.0  | 1.01 | * 60  | 282  | 78    | 6.3  |
| C 0.02  | 9-07   | 0    | -   | 14.3 | 3.0  | 7.1     |      | 1.1  |       | 17.9 | 82    | 2.3  |
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|   | 9-61 6-6 10-21 10-9  |      | -   |      |      |         |      |      |       |      |       |      |
|   | 8-11 6-6 15-11   |      | -   |      |      |         |      |      |       |      |       |      |
|   | 6.1 6.9 15.4 Feb.  |      | 1   |      |      |         |      |      |       |      |       |      |
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|   | 801 609 1504   |      |     |      |      |         |      |      |       |      |       |      |
|   | 801 609 1508   |      |     |      |      |         |      |      |       |      |       |      |
|   | 801 601 1201   |      |     |      |      |         |      |      |       |      |       |      |
|   | 801 601 1201   |      |     |      |      |         |      |      |       |      |       |      |
|   | 801 601 1201   |      |     |      |      |         |      |      |       |      |       |      |
|   | 801 601 1201 609 1504 705  |      |     |      |      |         |      |      |       |      |       |      |
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WIND DIRECTION

JAN 19

YUMA, ARIZONA

23195 STATION

NOVEMBER MONTH

HOURS (L.S.T.) ALL

% OF TOTAL

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TEMP. 122+ 111 07 701

102 TO 106

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| TOTAL<br>FREQ. |  | 10   | 86    | 100  | 121  | 161  | 861  | 220  | 190  | 16   | 33   | -    |  |  |  |  |  |
| CALM           |  | 6.9  | 5.1   | 2.0  | 5.6  | 13.9 | 12.1 | 7.07 | 12.6 | 19.8 | 1104 |      |  |  |  |  |  |
| WN W           |  | 0.62 | 9 . 9 | 0.6  | 649  | 666  | 1807 | 913  | 661  | 161  | 20.7 | 6124 |  |  |  |  |  |
| wsw<br>w &     |  | 12.5 | 10.2  | 12.0 | 16.2 | 14.6 | 1111 | 8.4  | 6.8  | 1:1  | 14.3 |      |  |  |  |  |  |
| \$5 W          |  | 6.3  | 3.4   | 8.0  | 3.9  | 0.4  | 5.5  | 3.1  | 3.6  | 2.2  | 5.9  |      |  |  |  |  |  |
| \$\$£          |  | 6.3  | 13.6  | 7.0  | 3.1  | 9.6  | 1.6  | 3.5  | 4.1  | 5.5  | 5.7  |      |  |  |  |  |  |
| ESE<br>& SE    |  |      |       | 5.0  | 3.1  | 2.0  | 0.4  | 3.1  | 5.0  | 1.1  |      |      |  |  |  |  |  |
| S ENE          |  |      | 6.8   | 4.0  | 3.9  | 2.6  | 6.1  | 5.8  | 4.7  | 3    | 5.7  |      |  |  |  |  |  |
| NNE<br>NE      |  | 25.0 | 13.6  | 13.0 | 19.1 | 15.9 | 9.1  | 15.5 | 22.1 | 15.4 | 20.0 |      |  |  |  |  |  |

17 07 79

52 TO 56

82 TO 86

16 01 78

37 TO 41

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32 TO 36

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NAVWEASERVCOM

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-53 TO-49

-58 TO-54

-18 TO-14 -23 TO-19

-13 10 -9

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| ERCENTAGE FREQUENCY OF AIR TEMPERATURE |   |
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YUMA, ARIZUNA

WIND DIRECTION JAN 1973-DEC 1977

DECEMBER

|       |  |          |   |   |  | -  |  | -  |   |  |
|-------|--|----------|---|---|--|--|--|--|---|--|
| N N N | NN 40  | FNE<br>F | ESE<br>& SE   | 5SE<br>6.5  | SSW<br>& SW  | wsw<br>w w   | WN W   | CALM   | TOTAL<br>FREG.  | % OF<br>TOTAL                              |
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| 35.3  |  | 2.9      |   | 6.8   | 5.9  | 5.9  | 5 . 9  | 11.8   | 17  | 1.4  |
| 46.9  |  | 4.7      |   |   | 6.0  | 4.7  | 105  |  |   |  |
| 46.7  |  | 5.5      |   |   | 1:0  | 2.1  | 066  |  |   | 4.8  |
| 61.0  |  | 3.6      |   | 1.1   |  | 3.6  | 1001   |  |   |  |
| 35.3  |  | 3.9      |   | 4.8   |  | 7.2  | 2008   |  | 102   | 10.1                                       |
| 39.8  | 1  | 5.3      |   | 4.5   |  | 5.7  | 816  |  | 592   | 19.  |
| 36.6  | 1  | *        |   | *.*   |  | 5.3  | 210  | 1  | 122   | -  |
| 45.0  |  | -        |   | 1.4   |  | 1.2  | 100  |  | 200   |  |
| 40.0  |  | 6.5      | 2.5   | 5.5   |  |  | 60   |  | 0.  | 3.2  |
| 36.4  |  |          |   |   |  |  | 14   |  | =   | •  |
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| 41.0  |  | 4.4      |   |   | 7.7  | 6.6  |  |  | 0421  | 1240 100.0                                 |
|       | 46.9<br>46.7<br>46.7<br>39.8<br>39.8<br>39.8<br>39.6<br>49.0 |          | 23.50<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00<br>11.00 | 23.5 2.5 1.11.6 2.5 2.6 2.5 2.6 2.5 2.6 2.5 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 | 23.5 5.5 1.0 1.0 2.5 2.5 2.5 1.0 1.0 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 | 23.5 5.9 1.6 12.3 17.8 12.3 11.1 3.9 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 | 23.5 5.9 1.0 12.3 1.0 17.2 1.0 12.3 1.0 17.2 1.0 17.3 1.0 17.2 1.0 17.3 1.0 | 23.5 5.9 1.0 1.2 5.9 5.9 1.0 1.0 5.7 1.0 5.8 1.0 1.0 5.8 1.0 1.0 5.9 1 | 110.1 2.5 4.5 1.5 1.5 2.5 4.5 1.6 1.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2 | 23.5 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5 |

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| ENTAGE FREQUENC                    | VS    |
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| PERCENTAGE FREQUENC                | VS    |

WIND DIRECTION JAN 1973-DEC 1977

YUMA, ARIZONA

ALL HOURS (L.S.T.)

| TEMP.      | N Z  | NNE<br>R NE | ENE<br>E | ESE<br>& SE | \$\$E | SSW<br>& SW | % & % | WNW W | CALM | TOTAL<br>FREG. | TOTAL |
|------------|------|-------------|----------|-------------|-------|-------------|-------|-------|------|----------------|-------|
| 122+       |      |             |          |             |       |             |       |       |      |                |       |
| 121 01 711 |      |             |          |             |       |             |       |       |      |                |       |
| 112 TO 116 |      |             | 4.5      |             | 9.1   | 31.8        | 45.5  | 9.1   |      | 22             | .2    |
| 111 01 701 | 1.6  | 1.1         |          | 2.2         | 23.6  | 28.0        | 41.8  | 106   |      | 182            | 1.2   |
| 102 TO 106 | 3.1  |             | 2.3      | 1.7         | 34.4  | 22.1        | 31.1  | 201   | 9.   | 517            |       |
| 101 01 76  | 3.7  | 2.9         | 2.2      | 3.8         | 36.6  | 19.5        | 25.8  | 200   |      | 166            |       |
| 92 10 %    | 4.9  | 3.3         | 3.6      | 9.9         | 35.6  | 17.9        | 21.6  | 6 .   |      | 006            | 2.0   |
| 16 01 78   | 5.2  | 3.4         | 3.1      | 1001        | 35.6  | 14.0        | 17.2  | 9.0   |      | 7521           |       |
| 82 TO 86   | 1.5  | 1.0         | 4.4      | 14.3        | 29.4  | 11.0        | 15.0  | 3,5   |      | 0141           |       |
| 18 01 77   | 14.2 | 1.01        | 9.0      | 10.0        | 20.6  | 9.6         | 15.7  | 6 6   |      | 1272           |       |
| 72 TO 76   | 19.6 | 10.7        | 4.6      | 7.1         | 17.5  | 0.6         | 14.8  | 8 . 8 |      | 1365           |       |
| 17 07 78   | 21.4 | 12.8        | 4.3      | 4.5         | 14.0  | 6.7         | 17.0  | 466   | 4.6  | 1340           |       |
| 62 TO 66   | 23.3 | 11.2        |          | 4.0         | 11.5  | 6.3         | 10.4  | 1400  |      | 1408           |       |
| 19 01 2    | 26.0 | 10.9        | 3.7      | 5.3         | 8.1   | 5.7         | 14.7  | 70.5  |      | 1364           |       |
| 52 TO 56   | 27.9 | 11.8        | 6.3      | ***         | 6.7   | 7.5         | 12.7  | 1105  |      |                |       |
| 12 07 74   | 30.1 | 18.4        | 0.9      | 3.6         | 7.6   | 3.6         | 9.8   | 619   | 14.6 |                | 9.5   |
| 42 TO 46   | 37.5 | 21.8        | 6.1      | 1.5         | 4.5   | 2.1         | 6.9   | 305   |      |                | •     |
| 37 TO 41   | 34.8 | 22.0        | 1.6      | 2.3         | 2.3   | 1.5         | 2.3   | 8.0   | 5002 | 761            |       |
| 32 TO 36   | 27.3 | 30.3        | 9.1      | 3.0         |       |             | 3.0   | 200   |      |                |       |
| 27 TO 31   |      | 33.3        | 33.3     |             |       |             |       |       | 33.3 | •              | •     |
| 22 10 26   |      |             |          |             |       |             |       |       |      |                |       |
| 17 TO 21   |      |             |          |             |       |             |       |       |      |                |       |
| 12 TO 16   |      |             |          |             |       |             |       |       |      |                |       |
| 7 10 11    |      |             |          |             |       |             |       |       |      |                |       |
| 2 70 6     |      |             |          |             |       |             |       |       |      |                |       |
| -3 TO 1    |      |             |          |             |       |             |       |       |      |                |       |
| -8 10-4    |      |             |          |             |       |             |       |       |      |                |       |
| -13 TO -9  |      |             |          |             |       |             |       |       |      |                |       |
| -18 TO-14  |      |             |          |             |       |             |       |       |      |                |       |
| 23 TO-19   |      |             |          |             |       |             |       |       |      |                |       |
| -28 TO-24  |      |             |          |             |       |             |       |       |      |                |       |
| -33 TO-29  |      |             |          |             |       |             |       |       |      |                |       |
| -38 TO-34  |      |             |          |             |       |             |       |       |      |                |       |
| -43 TO-39  |      |             |          |             |       |             |       |       |      |                |       |
| -48 TO-44  |      |             |          |             |       |             |       |       |      |                |       |
| -53 TO-49  |      |             |          |             |       |             |       |       |      |                |       |
| -58 TO-54  |      |             |          |             |       |             |       |       |      |                |       |
| -59 & LWR  |      |             |          |             |       | -           |       |       |      |                |       |
| TOTALS     | 17.5 | 6.6         | 4.5      | 6 . 9       | 70    | 1 6         | -     |       |      |                |       |

NAVWEASERVCOM

## PART F

## PRESSURE SUMMARY

of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and Presented in this part are two tables giving the means, standard deviations, and total number of observations after those dates.

- . Station pressure in inches of mercury.
- 2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.

|                      |                    | 31 (IM.MC)   | 83   | F  |                      |
|----------------------|--------------------|--|--|--|----------------------|
|                      |                    | F  | 1050 CHB)  | E  |                      |
|                      |                    | 上声   | SO   | F  |                      |
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|                      |                    | =  | 3  | F  |                      |
|                      |                    | F-2  | 1  | E_   |                      |
|                      | •                  | E  | _ 1  | E  |                      |
| =                    |                    | E  | 8  | =  | 7                    |
| 1                    |                    | E  | - 4  | E  | L                    |
|                      |                    | \$2<br>82  | 3  | E  |                      |
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| )                    |                    | F .  | =  | F  |                      |
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|                      |                    | lE .   | .0   | E  | _                    |
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|                      |                    | F .  | 1  | Ė  |                      |
|                      |                    | IE 3   | •  | E  |                      |
| ш                    | 9                  | 12,  | ' {  | Fo   |                      |
| œ                    | =                  | E °  | 8.   | E  | W                    |
| _                    | =                  | E '  | •  | E  | Œ                    |
| SSURE                | ~=                 | 23 24 25   | 9  | E-   | 7                    |
| "                    |                    | E ~  | 3  | F  | U.                   |
|                      | =                  | E  | 3  | F  | S                    |
| P R E                |                    | F  | _ 1  | F_   | PRESSURE             |
| •                    |                    | E~   | 8-4  | F  | œ                    |
|                      | =                  | £ ~  | 4  | E  | ٥                    |
|                      | =                  | E  | 4  | E  |                      |
|                      | 6 1                | E  | 1  | Fo   |                      |
|                      | 3                  | F-=  | 3  | E  |                      |
|                      |                    | E  | 0  | E  |                      |
|                      | 2-3                | F =  | 2  | E-s  |                      |
|                      | 8 6 01 1           | 20(IN. NG.) 21 22 23 24 25 26 27 28 29 30 31(NL.NG.) | (NE) 700 750                                       | 1 0 6 6 00 1 2 8 8 1 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 |                      |
|                      | =                  | F-2  | = 1  | E  |                      |
|                      | = -                | •  | = 4  | ==   |                      |
|                      |                    |  |  |  |                      |

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

| 23195        |                            | YUMA, ARE                               | ARIZONA                            |              |                        |         | 73-77   |         |        |                        |        |                      |        |        |
|--------------|----------------------------|---|------------------------------------|--------------|------------------------|---------|---------|---------|--------|------------------------|--------|----------------------|--------|--------|
| STATION      | 1                          |   | 1                                  | STATION NAME |                        |         |         |         |        | YEARS                  |        |                      | 1      |        |
| HRS.(L.S.T.) | 10                         | JAN.                                    | FEB.                               | MAR.         | APR.                   | MAY     | JUN.    | JUL.    | AUG.   | SEP.                   | OCT.   | NOV.                 | DEC.   | ANNUAL |
| 20           | S. D.<br>TOTAL OBS         | 29,845                                  | 29.829                             | 29.715       | 29,6732                | 9.593   | 29.5282 | 9.5722  | .059   | 150                    | 9.00   | 127                  | 29,842 | 29.683 |
| 00           | S. D.<br>TOTAL OBS         | 29,63729                                | 29.814                             | 29.6992      | 29.6712<br>•100<br>150 | 9.594   | 29,5382 | 155     | 159    | 19.5922                | 0.00.0 | 9,767                | 29,835 | 29.682 |
|              | S. D.<br>TOTAL OBS         | 29,86929                                | 29.849                             | 29.744       | 29.7162                | 9.639   | 29,5862 | .0.6272 | 9.6272 | 150                    | 1000   | 9.805                | 29.865 | 29.723 |
| =            | MEAN<br>S. D.<br>TOTAL OBS | 29.912                                  | 91229.8852<br>.137 .124<br>155 141 | 29.7692      | 9,731                  | 29.6472 | 29,5932 | 069     | 153    | 150                    | 1982   | 9,833                | 29.900 | 29.743 |
| 2            | S. D.<br>TOTAL OES         | 29.83629.8222<br>.133 .123<br>.153 .141 | 29.822                             | 29.7112      | 150                    | 9.602   | 29.5472 | 9.5892  | 9.5852 | 19.5922<br>.072<br>150 | 159    | 9,762                | 29,827 | 29.685 |
| 2            | S. D.<br>TOTAL OBS         | 29.819                                  | 159 -1872                          | 29.6662      | 29.6282<br>• 100       | 19.5472 | 29.4892 | 9.5232  | .060   | 19.5422                | 9.6372 | 9,740<br>•130<br>150 | 29.810 | 29.642 |
| 2            | S. D.<br>TOTAL OBS         | 29,836                                  | 7,83629.8052<br>• 129<br>• 159     | 29.6822      | 19.6372                | 9,554   | 29,4892 | 9.5282  | .059   | 150                    | 155    | 9.761<br>•130        | 29.828 | 29.654 |
| 2            | S. D.<br>TOTAL OBS         | 29,65529                                | 29.6282                            | 1114         | 29.6732                | 159     | 073     | 9.5722  | 9.5732 | 19,5892                | 9.00.0 | 131                  | 29,845 | 29.686 |
| ALL          | S. D.<br>TOTAL OBS         | 29.851                                  | 139 129<br>1240 1128               | 29.7122      | 105                    | 19.5962 | 29.5372 | 9.5792  | 9.5782 | 1200                   | 9.6952 | 132                  | 29.844 | 29.687 |

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## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM MOURLY DBSERVATIONS

| STATION      | 1                          | TOWAS ARIEDNA                                |                            | STATION NAME          |                        |       |                         |                         |                       | YEARS                   |              |        | 1                      |                         |
|--------------|----------------------------|--|----------------------------|-----------------------|------------------------|-------|-------------------------|-------------------------|-----------------------|-------------------------|--------------|--------|------------------------|-------------------------|
| HRS.(L.S.T.) |                            | JAN.   | FEB.                       | MAR.                  | APR.                   | MAY   | JUN.                    | JUL.                    | AUG.                  | SEP.                    | OCT.         | NOV.   | DEC.                   | ANNUAL                  |
| 70           | MEAN<br>S. D.<br>TOTAL OBS | 1018.01017.51<br>4,523 4,063<br>155 141      | 4.063                      | 013,5<br>3,928<br>155 | 3,449                  | 400   | 1007.1<br>2.460<br>150  | 2,305                   | 2.021                 | 2,453                   | 2,584        | 1015.3 | 1017.9<br>3.975<br>155 | 1012.4<br>5.101<br>1826 |
| 8            | AEAN<br>S. D.<br>TOTAL OBS | 3.   | 7.81016.910<br>573 4.197 3 | 13,0                  | 3,402                  | 2,895 | 1007.3<br>2.388<br>150  | 1008.81<br>2.149        | 2.003                 | 2,373                   | 012,2        | 1015,3 | 3,946                  | 1012,3                  |
| 9            | S. D.<br>TOTAL OBS         | 1018.81018.110<br>4.636 4.317 4              | 1018.1<br>4.317            | 155                   | 3,448                  | 2,945 | 1008.91<br>2.389<br>150 | 1010.41<br>2.128<br>155 | 2.025                 | 2,406                   | 013,62,2,871 | 1016.6 | 3,967                  | 1013.7                  |
| =            | S. D.<br>TOTAL OBS         | 1020,31019,310<br>4,662 4,246 4<br>159 141   | 1019,3                     | 15.4                  | 3,460                  | 2,990 | 1009.2<br>2.424<br>150  | 1010.61                 | 1.987                 | 2,450                   | 2,919        | 1017.6 | 1019,9<br>4,006<br>155 | 1014.4                  |
| 2            | S. D.<br>TOTAL OBS         | 1017.71017.210<br>4,519 4,193 4              | 1017.2                     | 13.4                  | 3,419                  | 3.019 | 1007.6<br>2.512<br>150  | 2,164                   | 2.032                 | 2,422                   | 2,901        | 1015-1 | 3,941                  | 1012.4                  |
| 12           | S. D.<br>TOTAL OBS         | 1017.11016.010<br>4.413 4.170 4<br>155 141   | 1016.0                     | 111.8                 | 1010.5<br>3,423<br>150 | 2,972 | 1005.6<br>2.528<br>150  | 1006.81                 | 2.054<br>2.054<br>155 | 1007,41<br>2,490<br>150 | 2,964        | 1014.4 | 3,933                  | 1011.0                  |
| 2            | S. D.<br>TOTAL OBS         | 1017.71016.610<br>4,398 4,153 3              | 1016.6                     | 12.4                  | 3,422                  | 2,946 | 1005.6<br>2.506<br>150  | 1007.01<br>2.232<br>155 | 2.016                 | 2,491                   | 2,961        | 1015.1 | 3,963                  | 1011.                   |
| 2            | S. D.<br>TOTAL OBS         | 1018.41017.41<br>4,396 4,060<br>155 141      | 1017.4<br>4.060<br>141     | 3,890                 | 3,377                  | 2,893 | 1007.1<br>2.473<br>150  | 1008.51                 | 2.176                 | 2,462                   | 1012,4       | 1015.8 | 3,971                  | 1012,5<br>5,157<br>1826 |
| ALL          | S. D.<br>TOTAL OBS         | 1018.21017.410<br>4.596 4.268 4<br>1240 1128 | 1017.4                     | 13.5                  | 3,592                  | 3,152 | 2.743                   | 2,552                   | 2.408                 | 2,684                   | 3,068        | 4,510  | 4.050                  | 1012.                   |

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